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AUTHOR Donny, William F.
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ABSTRACT

The employment of graduates of all degree levels in Pennsylvania institutions of higher education in 1978 is examined. Data were obtained for 44,264 graduates, or 50.1 percent of all those who graduated from postsecondary institutions in Pennsylvania between January 1978 and August 1978. Survey results are presented separately for baccalaureate graduates, master's degree graduates, doctoral graduates, first-professional graduates, and associate degree graduates. Employment increases occurred at all degree levels except the doctoral for graduates for 1978 over those of 1977. The greatest increase in employment was among bachelor's degree graduates, particularly those who majored in the health professions, engineering, or computer sciences. Postgraduate-level employment was higher than at the baccalaureate level. More graduates at the associate-degree level were pursuing further study than at any other level. The data presented show the proportion of graduates in each degree field and at degree level who are employed in their fields of preparation, employed in another field, employed in Pennsylvania, unemployed, or pursuing advanced degrees. The data also show differences in postgraduation activities by institutional type, including state colleges and universities, state-related, private state-aided, and independent colleges and universities. Appendices present more detailed data than that included in the text. (SC)

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ALL DEGREE LEVELS IN PENNSYLVANIA 1978

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Pennsylvania Department of Education 1979

POSTGRADUATION ACTIVITIES:
ALL DEGREE LEVELS
IN PENNSYLVANIA
1978

Prepared by
William F. Donny
Division of Survey Research, Technical
Support and Research Coordination
Bureau of Research and Evaluation
June 1979

Commonwealth of Pennsylvania
Dick Thornburgh, *Governor*

Department of Education
Robert G. Scanlon, *Secretary*
Marna Whittington, *Deputy Secretary for Research, Planning and Data Management*

Bureau of Research and Evaluation
Jay Smink, *Director*

Division of Survey Research, Technical Support and Research Coordination
Robert B. Hayes, *Director*

Pennsylvania Department of Education
Box 911
Harrisburg, PA 17126

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FIGURE 1

Map of State Board of Education Higher Education Planning Regions 84

SUMMARY

Purpose

This study examines the employment of graduates of all degree levels in Pennsylvania institutions of higher education in 1978. The study answers such questions as:

...How many graduates were employed? Unemployed? Pursuing advanced degrees?

...How many employed graduates held jobs in Pennsylvania?

...How many graduates held jobs for which they had prepared?

...What was the relative degree of employment success for graduates in each major discipline and degree field?

...What were the differences in postgraduation activities according to the type of institution?

Procedures

This report is based on data for 44,264 graduates, or 50.1 percent of the 88,370 higher education graduates at all degree levels from Pennsylvania's postsecondary institutions who were subjects of this study.

Results

Employment increases occurred at all degree levels (except the doctoral) for graduates of 1978 over those of 1977. Bachelor's graduates showed the greatest increase, four percent. The highest employment rates for baccalaureate graduates were those who majored in the health professions, engineering or computer sciences.

There was a weak job market for bachelor degree graduates in interdisciplinary studies, psychology, fine and applied arts, area studies, letters, social studies, and physical and biological sciences.

Postgraduate-level employment was higher than at the baccalaureate level. Graduates at the associate-degree level had the highest percentage pursuing further study.

Some highlights in percent for 1978 compared to 1977 follow:

Degree Level	Employed Full Time		Employed Part Time		Not Employed		Pursuing Advanced Degree		Of Full-Time Employed: Employed in Field Prepared		Of Full-Time Employed: Employed in in Pa.	
	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978	1977	1978
Associate	67.7	68.4	3.8	3.5	6.1	6.1	22.4	21.9	87.4	85.7	88.3	86.9
Bachelor's	62.0	66.0	5.8	4.4	15.9	12.8	16.3	16.8	75.5	77.3	69.9	68.5
Master's	79.6	82.1	3.7	2.3	6.7	5.5	10.0	10.1	90.6	90.8	76.8	77.3
Doctoral	90.8	88.8	3.6	3.3	4.2	4.0	1.4	3.8	90.3	89.0	57.0	54.6
First-Prof.	91.9	94.8	0.5	0.7	2.2	2.0	5.4	2.5	96.4	98.4	57.1	55.6

INTRODUCTION

Employment success of higher education graduates is of keen interest, especially in times of financial inflation and dwindling student enrollments. Authorized by the Office of Higher Education, Pennsylvania Department of Education, this report is sixth in a series to supply information useful to students, counselors and educational planners.

PROCEDURES

Objectives

Answers to the following questions were sought: What proportion of graduates in each degree field and degree level were: (1) employed in their fields of preparation, (2) employed in another field, (3) employed in Pennsylvania, (4) unemployed, or (5) pursuing advanced degrees? What differences are there in these postgraduation activities by institutional type--state colleges and university, state-related, private state-aided, and independent colleges and universities? How do the answers to these questions in 1978 compare with answers to these same questions in 1977?

Methodology

The subjects of this study were those graduated between January 1978 and August 1978 from all degree programs in Pennsylvania institutions of higher education. In the summer of 1977 forms were sent to contact persons at each postsecondary institution. These were usually career services officers appointed by their institutions to cooperate in this study.

The data collection methods varied among the institutions depending upon the survey method developed at each. For instance, one college surveys continuously by including a survey card in employment lists sent periodically to graduates. Upon employment, these graduates are requested to complete and return the card.

Another institution surveys its graduates at intervals, such as December graduates in March, May graduates in August, and August graduates in September. Other institutions survey all their graduates around mid-November. In December intensive follow-up procedures are initiated to obtain information from nonrespondents.

In general, the information in this report represents graduates' status five or six months after their graduation.

By the February 1, 1979, due date, the Division of Research had received forms containing information on 44,264 graduates, or 50.1 percent of the 88,370 graduates of Pennsylvania institutions of higher education in 1978. Institutions in the following categories participated in the study: all state colleges and university, state-related and community colleges, most private state-aided, and private colleges and universities. Theological seminaries and private junior colleges were not included.

Validity of Sample

In several prior studies of this series, no significant differences were found between survey respondents and nonrespondents when follow-up surveys of the latter were made. Since the present study is similar to its predecessors, the sampling represented in this report is assumed to be adequately representative to provide valid conclusions.

Type and Location of Tables

Basic tables are presented in the text. Tables for each degree level report postgraduation activities of all responding graduates in each of the 23 major disciplines used in the federal HEGIS reporting system.

Tables in the appendix give additional information, such as results by institutions categorized as state colleges and university, state-related, private state-aided, and private colleges and universities. These appendix tables include an "all others" category which does not appear in the text tables which highlight results. The "all others" category represents the difference between the number of respondents and the number of graduates from institutions cooperating in this study.

The appendix also contains tables which show postgraduation activities by higher education planning regions for those who received associate or baccalaureate degrees.

RESULTS FOR BACCALAUREATE GRADUATES

Highlights of the postgraduation status of bachelor's degree graduates of 1977 and 1978 follow:

Year	Responding Graduates	Employed		Unemployed	Pursuing Advanced Degree	Of Full-Time Employed	
		Full Time	Part Time			Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1977	29,140	62.0	5.8	15.9	16.3	75.5	69.9
1978	28,273	66.0	4.4	12.8	16.8	77.3	68.5

Table 1 summarizes the postgraduation status for 28,273 baccalaureate graduates in 23 major disciplines in 1978. Detailed data for these graduates by degree field and institutional segment are given in the Appendix. Attention should be given to the interrelationships between the percentages following each major discipline in Table 1. For example, major disciplines with lower proportions of graduates in full-time employment tend to have higher proportions in other categories, such as pursuing advanced degrees and unemployed.

Full-Time Employment for Bachelor's Graduates

Table 2 ranks the major disciplines from high to low according to the success of graduates in obtaining full-time employment in 1978. Comparable percentages and ranks from the 1977 report on baccalaureate graduates are included for comparison purposes.

Table 1

Employment Status by Major Discipline for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1978

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part-Time	Unemployed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	603	196 (32.5)	142 (23.7)	68 (11.3)	21 (3.5)	23 (3.8)	88 (14.6)	64 (10.6)
Architecture and Environmental Design	81	26 (32.1)	20 (24.7)	7 (8.6)	1 (1.2)	2 (2.5)	9 (11.1)	16 (19.8)
Area Studies	47	4 (8.5)	4 (8.5)	6 (12.8)	11 (23.4)	2 (4.3)	4 (8.5)	16 (34.0)
Biological Sciences	1,732	218 (12.6)	131 (7.5)	166 (9.5)	72 (4.1)	43 (2.5)	246 (14.0)	876 (50.0)
Business and Management	4,637	2,244 (48.2)	854 (18.3)	315 (6.8)	96 (2.1)	113 (2.4)	691 (14.8)	344 (7.4)
Communications	567	205 (36.1)	78 (13.8)	77 (13.6)	28 (4.9)	40 (7.1)	91 (16.0)	48 (8.5)
Computer and Information Sciences	292	156 (53.4)	82 (28.1)	9 (3.1)	5 (1.7)	1 (0.3)	18 (6.2)	21 (7.2)
Education	6,587	2,569 (39.0)	1,002 (15.2)	899 (13.7)	186 (2.8)	552 (8.4)	872 (13.2)	507 (7.7)
Engineering	1,889	634 (33.6)	913 (48.9)	38 (2.0)	42 (2.2)	4 (0.2)	93 (4.9)	155 (8.2)
Fine and Applied Arts	811	173 (21.3)	85 (10.5)	121 (14.9)	64 (7.9)	72 (8.9)	144 (17.8)	152 (18.7)
Foreign Languages	329	48 (14.6)	33 (10.0)	68 (20.7)	49 (14.9)	8 (2.4)	46 (14.0)	77 (23.4)
Health Professions	1,589	1,119 (70.4)	247 (15.5)	42 (2.6)	9 (0.6)	28 (1.8)	60 (3.8)	84 (5.3)
Home Economics	469	206 (43.9)	80 (17.1)	29 (6.2)	6 (1.3)	18 (3.8)	68 (14.5)	62 (13.2)
Law	22	1 (4.5)	-	7 (31.8)	5 (22.7)	2 (9.1)	1 (4.6)	6 (27.3)
Letters	1,004	162 (16.1)	111 (11.1)	168 (16.7)	88 (8.8)	31 (3.1)	152 (15.1)	272 (27.1)
Library Science	98	42 (42.9)	22 (22.4)	8 (8.2)	1 (1.0)	3 (3.1)	12 (12.2)	8 (8.2)
Mathematics	394	129 (32.7)	114 (28.9)	30 (7.6)	16 (4.1)	5 (1.3)	25 (6.4)	75 (19.0)
Physical Sciences	998	166 (16.6)	171 (17.1)	53 (5.3)	40 (4.0)	21 (2.1)	72 (7.2)	475 (47.6)
Psychology	1,207	296 (24.5)	90 (7.5)	191 (15.8)	109 (9.0)	42 (3.5)	179 (14.8)	300 (24.9)
Public Affairs and Services	1,188	451 (38.0)	117 (9.8)	173 (14.6)	36 (3.0)	82 (6.9)	213 (17.9)	116 (9.8)
Social Sciences	3,131	575 (18.4)	302 (9.6)	486 (15.5)	271 (8.6)	105 (3.4)	453 (14.5)	939 (30.0)
Theology	164	23 (14.0)	28 (17.1)	28 (17.1)	20 (12.2)	4 (2.4)	10 (6.1)	51 (31.1)
Interdisciplinary Studies	394	101 (25.6)	46 (11.7)	48 (12.2)	30 (7.6)	21 (5.3)	69 (17.5)	79 (20.1)
GRAND TOTAL	28,273	9,744 (34.4)	4,683 (16.6)	3,037 (10.7)	1,206 (4.3)	1,244 (4.4)	3,616 (12.8)	4,743 (16.8)

Table 2

Percentage of Bachelor's Degree Graduates With Full-Time Employment, Ranked by Major Discipline for 1978

Major Discipline	Percent		Rank	
	1977	1978	1977	1978
Health Professions	84.9	89.2	1	1
Engineering	82.4	86.7	3	2
Computer & Information Sciences	84.0	86.3	2	3
Business & Management	70.2	75.3	5	4
Library Science	74.2	74.5	4	5
Mathematics	65.0	73.4	8	6
Agriculture & Natural Resources	65.9	71.0	7	7
Education	64.9	70.7	9	8
Home Economics	62.3	68.4	12	9.5
Communications	64.4	68.4	10	9.5
Architecture and Environmental Design	69.3	66.7	6	11
Public Affairs and Services	63.2	65.4	11	12
Theology	55.2	60.4	14	13
Foreign Language	46.7	60.2	20	14
Law	37.5	59.1	22	15
Interdisciplinary Studies	47.8	57.1	19	16
Psychology	48.3	56.8	18	17
Fine & Applied Arts	56.5	54.6	13	18
Area Studies	50.0	53.2	17	19
Letters	51.6	52.7	16	20
Social Sciences	51.7	52.2	15	21
Physical Sciences	37.8	43.1	21	22
Biological Sciences	33.2	33.5	23	23

The percentage changes in full-time employment for baccalaureate graduates between 1977 and 1978 were:

	Percent Increase		Percent Decrease
Law	21.6	Architecture & Environ. Des.	2.6
Foreign Languages	13.5	Fine & Applied Arts	1.9
Interdisciplinary Studies	9.3		
Psychology	8.5		
Mathematics	8.4		
Home Economics	6.1		
Education	5.8		
Physical Sciences	5.3		
Theology	5.2		
Agri. & Natural Resources	5.1		
Business & Management	5.1		
Engineering	4.3		
Health Professions	4.3		
Communications	4.0		
Area Studies	3.2		
Computer & Information Sciences	2.3		
Public Affairs & Services	2.2		
Letters	1.1		
Social Sciences	0.5		
Biological Sciences	0.3		
Library Science	0.3		

Percentage of Graduates Not Seeking Employment

The percentage of baccalaureate graduates not seeking employment has held steady at approximately 2.0 percent over the past four years. In a detailed study in 1974, 2.3 percent of the 25,176 graduates surveyed indicated they were not seeking employment at that time. In 1978 an inquiry directed at career service officers at the state colleges and university revealed the percentage of graduates not seeking employment ranged from a low of 0.5 percent at one institution to a high of 4.3 at another, for an average of about 2.0 percent.

Bachelor's Graduates Employed in Field of Preparation

Table 3 indicates by percent and rank the degree to which full-time employed baccalaureate graduates were employed in their field of preparation in 1977 and 1978.

Table 3

Percentage of Full-Time Employed Bachelor's Degree Graduates Employed in Their Field of Preparation, Ranked by Major Discipline, 1978

Major Discipline	Percent		Rank	
	1977	1978	1977	1978
Health Professions	100.0	96.4	1.5	1
Engineering	94.3	95.1	4	2
Computer & Information Sciences	94.5	94.4	3	3
Home Economics	73.4	89.1	12	4
Business & Management	84.5	88.3	5	5
Library Science	83.2	87.7	6	6
Architecture and Environmental Design	81.4	85.2	8	7
Mathematics	83.1	84.1	7	8
Agriculture & Natural Resources	77.0	79.2	10	9
Physical Sciences	77.3	78.4	9	10
Education	74.2	76.7	11	11
Public Affairs and Services	70.1	73.1	14	12
Communications	71.6	72.9	13	13
Interdisciplinary Studies	56.3	65.3	19	14
Biological Sciences	60.5	59.5	16	15
Fine & Applied Arts	66.5	58.2	15	16
Psychology	57.4	56.3	18	17
Social Sciences	55.4	53.7	20	18
Letters	53.0	51.6	21	19
Theology	59.6	51.5	17	20
Foreign Languages	41.6	40.9	22	21
Area Studies	21.1	32.0	23	22
Law*	100.0	7.7	1.5	23

*Large variation in law is due to small number reported from year-to-year at the baccalaureate level.

Increases and decreases in the percentages of full-time employed bachelor's graduates employed in their field of preparation between 1977 and 1978 are listed below.

	Percent Increase		Percent Decrease
Home Economics	15.7	Law	92.3
Area Studies	10.9	Fine & Applied Arts	8.3
Interdisciplinary Studies	9.0	Theology	8.1
Library Science	4.5	Health	3.6
Architecture & Environ. Des.	3.8	Social Sciences	1.7
Business & Management	3.4	Letters	1.4
Public Affairs & Services	3.0	Psychology	1.1
Education	2.5	Biological Sciences	1.0
Agriculture & Natural Resources	2.2	Foreign Languages	0.7
Communications	1.3	Computer & Information Sci.	0.1
Physical Sciences	1.1		
Mathematics	1.0		
Engineering	0.8		

Bachelor's Graduates Employed in Pennsylvania

Table 4 ranks the major disciplines according to the percentage of fully employed baccalaureate graduates in each discipline who are employed in Pennsylvania.

Table 4

Percentage of Full-Time Employed Bachelor's Graduates Employed in Pennsylvania, Ranked by Major Discipline, 1978

Major Discipline	Percent		Rank	
	1977	1978	1977	1978
Health Professions	80.6	81.9	2	1
Public Affairs & Services	78.0	80.3	3	2
Education	74.4	74.5	5	3
Home Economics	74.1	73.2	6	4
Business & Management	72.8	72.9	7	5
Communications	69.6	72.7	11	6
Psychology	72.6	71.0	8	7
Library Science	76.8	68.5	4	8
Fine & Applied Arts	64.1	66.4	16	9
Interdisciplinary Studies	68.1	66.2	13	10
Computer & Information Science	72.5	65.5	9	11
Biological Sciences	69.9	65.4	10	12
Social Sciences	66.1	65.0	14	13
Letters	64.9	62.4	15	14
Agriculture & Natural Resources	61.6	61.7	17	15
Law	100.0	61.5	1	16
Architecture & Environmental Design	61.4	61.1	18	17
Foreign Languages	54.3	58.6	20	18
Mathematics	69.6	55.0	11	19
Theology	51.7	51.5	22	20
Physical Sciences	61.1	50.9	19	21
Engineering	46.6	41.0	23	22
Area Studies	52.6	40.0	21	23

Percentage changes in baccalaureate graduates full-time employment in Pennsylvania between 1977 and 1978 were:

	Percent Increase		Percent Decrease
Foreign Languages	4.3	Law	38.5
Communications	3.1	Mathematics	14.6
Fine and Applied Arts	2.3	Area Studies	12.6
Public Affairs and Services	2.3	Physical Sciences	10.2
Health Professions	1.3	Library Science	8.3
Agriculture & Natural Resources	0.1	Computer & Information Sci.	7.0
Business & Management	0.1	Engineering	5.6
Education	0.1	Biological Sciences	4.5
		Letters	2.5
		Interdisciplinary Studies	1.9
		Psychology	1.6
		Social Sciences	1.1
		Home Economics	0.9
		Architecture & Environ. Des.	0.3
		Theology	0.2

Bachelor's Graduates Seeking Advanced Degrees

Table 5 permits comparison of the extent to which baccalaureate graduates in each major discipline pursued advanced degrees in 1977 and 1978.

Table 5

Percentage of Bachelor's Graduates Pursuing Advanced Degrees, Ranked by Major Discipline, 1978

Major Discipline	Percent		Rank	
	1977	1978	1977	1978
Biological Sciences	45.2	50.0	3	1
Physical Sciences	52.5	47.6	1	2
Area Studies	26.3	34.0	9.5	3
Theology	32.3	31.1	4	4
Social Sciences	27.2	30.0	7	5
Law	50.0	27.3	2	6
Letters	26.8	27.1	8	7
Psychology	26.3	24.9	9.5	8
Foreign Languages	28.2	23.4	6	9
Interdisciplinary Studies	28.9	20.1	5	10
Architecture & Environmental Design	15.8	19.8	13	11
Mathematics	23.0	19.0	11	12
Fine & Applied Arts	17.7	18.7	12	13
Home Economics	14.1	13.2	14	14
Agriculture & Natural Resources	12.7	10.6	15	15
Public Affairs & Services	9.1	9.8	18	16
Communications	6.7	8.5	22	17.5
Engineering	9.7	8.2	16	17.5
Library Science	8.6	8.2	19	19
Education	7.8	7.7	21	20
Business & Management	8.5	7.4	20	21
Computer & Information Sciences	9.2	7.2	17	22
Health Professions	5.2	5.3	23	23

Listed below are the changes in percentages of baccalaureate graduates pursuing advanced degrees between 1977 and 1978.

	Percent Increase		Percent Decrease
Area Studies	7.7	Law	22.7
Biological Sciences	4.8	Interdisciplinary Studies	8.8
Architecture & Environ. Des.	4.0	Physical Sciences	4.9
Social Sciences	2.8	Foreign Languages	4.8
Communications	1.8	Mathematics	4.0
Fine & Applied Arts	1.0	Agricultural & Natural Resources	2.1
Public Affairs & Services	0.7	Computer & Information Sci.	2.0
Letters	0.3	Engineering	1.5
Health Professions	0.1	Psychology	1.4
		Theology	1.2
		Business & Management	1.1
		Home Economics	0.9
		Library Science	0.4
		Education	0.1

Bachelor's Level Employment Ranked by Major Discipline, 1974-1978

Table 6 ranks the 23 major disciplines according to the average of their full-time employment ranks over the past five years.

Table 6

Full-Time Employment Rank Comparisons for Bachelor's Degree Graduates Listed by Mean Ranking Over Time (1974-1978)

Major Discipline	Ranks				
	1974	1975	1976	1977	1978
1. Computer & Information Sciences	1	3	1	2	3
2. Engineering	2	4	3	3	2
3. Health Professions	7	5	2	1	1
4. Business & Management	3	7	4.5	5	5
5. Library Science	8	6	4.5	4	6
6. Agriculture & Natural Resources	6	2	7	7	7
7. Communications	9	1	8	10	9.5
8. Education	4	10	10	9	8
9. Mathematics	10	11.5	9	8	7
10. Home Economics	12	8	6	12	9.5
11. Public Affairs & Services	11	9	11	11	12
12. Architecture & Environ. Design	14	11.5	13	6	11
13. Theology	5	13	14	14	13
14. Fine & Applied Arts	16	14	15	13	18
15. Letters	19	15	16	16	20
16. Psychology	15	19	19	18	17
17. Area Studies	18	22	13	17	19
18. Interdisciplinary Studies	17	18	20	19	16
19. Foreign Languages	23	16	17	20	14
20. Social Sciences	20	17	18	15	21
21. Law	13	23	23	22	15
22. Physical Sciences	21	20	21	21	22
23. Biological Sciences	22	21	22	23	23

Implications of Full-Time Employment Rank Averages

Table 6 reveals that the first 12 major disciplines, those with the highest full-time employment rank averages, appear to prepare graduates for specific occupations typically available at the bachelor's degree entry level. The 11 remaining disciplines ranked lowest for full-time employment includes some occupations for which master's or higher degrees are considered necessary. About 21 percent more graduates in the first 12 (highest ranking) disciplines report full-time employment than do graduates of the remaining 11 lowest ranking disciplines. On the other hand, about 22 percent more graduates of these 11 lower ranking disciplines pursue advanced degrees. The net result is a balance in terms of unemployment for both groups. Seventeen percent of the upper ranking group and 17 percent of the lowest ranking group reported initial unemployment over the five-year period between 1974 and 1978. The above data are summarized as follows:

Category	Survey Years	Total Respondents	Employed		Unemployed	Pursuing Advanced Degree
			Full Time	Part Time		
			%	%	%	%
12 disciplines with highest employment rank averages	1974-78	90,378	68.7	6.3	17.0	8.0
11 disciplines with lowest employment rank averages	1974-78	34,257	47.8	4.3	17.3	30.6

Further postgraduation employment results were obtained when a large scale resurvey of 1974 bachelor's graduates was conducted two and one-half years later in 1977. Findings indicated that full-time employment increased by an overall average of 12 percent for graduates in all major disciplines except four, in which decreases were noted.

The resurvey showed that of the 11 major disciplines ranking lowest for employment in Table 6, graduates in four disciplines increased in full-time employment by an overall average of 20 percent. These disciplines were area studies, social sciences, foreign languages, and fine and applied arts. Full-time employment increases averaging six percent also occurred for graduates in biology, psychology, and letters. In contrast, employment decreases averaging 10 percent were found for graduates of theology, law, physical sciences, and interdisciplinary studies. However, at the time of the resurvey in 1977 these latter four disciplines were among the highest for the percentage of bachelor's graduates pursuing advanced degrees.

RESULTS FOR MASTER'S DEGREE GRADUATES

The postgraduation status for master's graduates for 1977 and 1978 is highlighted below. These figures confirm the high proportion of full-time employed master's graduates who are employed in their field of preparation.

Year	Responding Grads.	Employed		Unemployed	Pursuing Advanced Degree	Of Full-Time Employed	
		Full Time	Part Time			Employed in Field Prepared	Employed in Pa.
1977	4,207	79.6	3.7	6.7	10.0	90.6	76.8
1978	3,847	82.1	2.3	5.5	10.1	90.8	77.3

Table 7 summarizes the postgraduation status of 3,847 master's degree recipients in 23 major disciplines in 1978. Detailed data for graduates in each degree field and institutional segment are given in the Appendix.

Table 7

Employment Status by Major Discipline for Master's Degree Recipients for All Institutions in Pennsylvania, 1978

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	20	4 (20.0)	4 (20.0)	-	-	-	4 (20.0)	8 (40.0)
Architecture and Environmental Design	24	13 (54.2)	7 (29.1)	-	2 (8.3)	-	1 (4.2)	1 (4.2)
Area Studies	3	-	-	-	1 (33.3)	-	2 (66.7)	-
Biological Sciences	88	33 (37.5)	9 (10.2)	3 (3.4)	1 (1.1)	1 (1.1)	9 (10.2)	32 (36.4)
Business and Management	494	254 (51.4)	145 (29.3)	32 (6.5)	8 (1.6)	4 (0.8)	25 (5.1)	26 (5.3)
Communications	37	18 (48.6)	6 (16.2)	4 (10.8)	-	-	7 (18.9)	2 (5.4)
Computer and Information Sciences	18	6 (33.3)	5 (27.8)	2 (11.1)	1 (5.6)	-	1 (5.6)	3 (16.6)
Education	1,851	1,308 (70.7)	190 (10.3)	128 (6.9)	10 (0.5)	42 (2.3)	69 (3.7)	104 (5.6)
Engineering	217	86 (39.6)	74 (34.1)	6 (2.8)	4 (1.8)	-	5 (2.3)	42 (19.4)
Fine and Applied Arts	82	22 (26.8)	16 (19.5)	10 (12.2)	2 (2.4)	9 (11.0)	9 (11.0)	14 (17.1)
Foreign Languages	28	9 (32.1)	5 (17.9)	3 (10.7)	2 (7.1)	3 (10.7)	1 (3.6)	5 (17.9)
Health Professions	125	77 (61.6)	21 (16.8)	5 (4.0)	2 (1.6)	5 (4.0)	3 (2.4)	12 (9.6)
Home Economics	8	3 (37.5)	-	-	-	-	1 (12.5)	4 (50.0)
Law	2	-	-	-	-	-	1 (50.0)	1 (50.0)
Letters	83	49 (59.0)	4 (4.8)	4 (4.8)	2 (2.4)	3 (3.6)	5 (6.0)	16 (19.3)
Library Science	85	46 (54.1)	20 (23.5)	(2.8)	-	-	12 (14.1)	2 (2.4)
Mathematics	72	22 (30.6)	17 (23.6)	5 (6.9)	-	-	11 (15.3)	17 (23.6)
Physical Sciences	81	26 (32.1)	20 (24.7)	3 (3.7)	1 (1.2)	1 (1.2)	3 (3.7)	27 (33.3)
Psychology	135	53 (39.3)	23 (17.0)	5 (3.7)	1 (0.7)	13 (9.6)	10 (7.4)	30 (22.2)
Public Affairs and Services	244	103 (42.2)	74 (30.3)	18 (7.4)	6 (2.5)	5 (2.0)	21 (8.6)	17 (7.0)
Social Sciences	122	44 (36.1)	22 (18.0)	14 (11.5)	2 (1.6)	4 (3.3)	11 (9.0)	25 (20.5)
Theology	12	6 (50.0)	6 (50.0)	-	-	-	-	-
Interdisciplinary Studies	16	13 (81.3)	3 (18.7)	-	-	-	-	-
GRAND TOTAL	3,847	2,195 (57.1)	671 (17.4)	247 (6.4)	45 (1.2)	90 (2.3)	211 (5.5)	388 (10.1)

Full-Time Employment for Master's Degree Graduates

The relative success of master's graduates in obtaining full-time employment is indicated in Table 8. In this table graduates in each major discipline are ranked from high to low according to the proportion of graduates in each discipline with full-time employment. That interdisciplinary studies and theology rank highest is due in part to the small number of respondents in these categories, all with full-time employment. Table 8 also compares employment of master's graduates with bachelor's graduates of 1978.

Table 8

Full-Time Employment in 1978 for
Master's Versus Baccalaureate Graduates

Major Discipline	Percent		Major Discipline	Percent	
	Master's	Bachelor's		Master's	Bachelor's
Interdis. Studies	100.0	57.1	Letters	71.1	52.7
Theology	100.0	60.4	Foreign Lang.	67.9	60.2
Arch. & Environ. Des.	91.7	66.7	Social Sci.	67.2	52.2
Business & Management	88.9	75.3	Physical Sci.	61.7	43.1
Education	88.4	70.7	Mathematics	61.1	73.4
Health Professions	84.0	89.2	Fine & Applied Arts	61.0	54.6
Library Science	83.5	74.5	Psychology	60.7	56.8
Public Affairs & Ser.	82.4	65.4	Biological Sci.	52.3	33.5
Engineering	78.3	86.7	Agri. & Nat. Res.	40.0	71.0
Computer & Info. Sci.	77.8	86.3	Home Economics	37.5	68.4
Communications	75.7	68.4	Area Studies	33.3	53.2

Master's Graduates Employed in Their Field of Preparation

Table 9 ranks the proportion of full-time employed master's graduates in each major discipline who were employed in their field of preparation in 1978. Comparable statistics for baccalaureate graduates are included.

Table 9

Percentage of Full-Time Employed Master's
Graduates Employed in Field of Preparation, 1978

Major Discipline	Percent		Major Discipline	Percent	
	Master's	Bachelor's		Master's	Bachelor's
Agri. & Nat. Res.	100.0	79.2	Arch. & Environ. Des.	90.9	85.2
Home Economics	100.0	89.1	Business & Mgt.	90.9	88.3
Interdis. Studies	100.0	65.3	Letters	89.8	51.6
Theology	100.0	51.5	Mathematics	88.6	84.1
Engineering	94.1	95.1	Public Affairs & Ser.	88.1	73.1
Health Professions	93.3	96.4	Communications	85.7	72.9
Library Science	93.0	87.7	Social Sciences	80.5	53.7
Psychology	92.7	56.3	Computer & Info. Sci.	78.6	94.4
Physical Sci.	92.0	78.4	Fine & App. Arts	76.0	58.2
Education	91.5	76.7	Foreign Lang.	73.7	40.9
Biological Sciences	91.3	59.5			

Master's Graduates Employed in Pennsylvania

Table 10 shows the percent of the full-time employed master's graduates in each major discipline who were employed in Pennsylvania in 1978. Comparable 1978 baccalaureate statistics are included in Table 10.

Table 10

Percentage of Full-Time Employed Master's Graduates Employed in Pennsylvania, 1978

Major Discipline	Percent		Major Discipline	Percent	
	Master's	Bachelor's		Master's	Bachelor's
Home Economics	100.0	73.2	Fine & App. Arts	64.0	66.4
Letters	89.9	62.4	Foreign Lang.	63.2	58.6
Education	87.8	74.5	Mathematics	61.4	55.0
Interdis. Studies	81.3	66.2	Public Aff. & Ser.	60.2	80.3
Communications	78.6	72.7	Arch. & Environ. Des.	59.1	61.1
Biological Sci.	78.3	65.4	Physical Sci.	58.0	50.9
Health Prof.	78.1	81.9	Computer & Info. Sci.	57.1	65.5
Library Sci.	71.8	68.5	Engineering	54.1	41.0
Psychology	70.7	71.0	Agri. & Nat. Res.	50.0	61.7
Social Sci.	70.7	65.0	Theology	50.0	51.5
Business & Mgt.	65.1	72.9			

Master's Graduates Who Pursue Advanced Degrees

Table 11 shows the proportion of master's graduates pursuing advanced studies compared with bachelor's graduates for 1978.

Table 11

Master's Graduates Pursuing Advanced Degrees in 1978 Compared to Baccalaureate Graduates

Major Discipline	Percent		Major Discipline	Percent	
	Master's	Bachelor's		Master's	Bachelor's
Home Economics	50.0	13.2	Foreign Lang.	17.9	23.4
Law	50.0	27.3	Fine & App. Arts	17.1	18.7
Agri. & Nat. Res.	40.0	19.8	Computer & Info. Sci.	16.7	7.2
Biological Sci.	36.4	50.0	Health Prof.	9.6	5.3
Physical Sci.	33.3	47.6	Public Aff. & Ser.	7.0	9.8
Mathematics	23.6	19.0	Education	5.6	7.7
Psychology	22.2	24.9	Communications	5.4	8.5
Social Sci.	20.5	30.0	Business & Mgt.	5.3	7.4
Engineering	19.4	8.2	Arch. & Environ. Des.	4.2	19.8
Letters	19.3	27.1	Library Sci.	2.4	8.2

Table 12

Employment Status by Major Discipline for Doctoral Degree Recipients for All Institutions in Pennsylvania, 1978

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part-Time	Unemployed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Agriculture and Natural Resources	2	-	2 (100.0)	-	-	-	-	-
Biological Sciences	28	13 (46.4)	10 (35.7)	1 (3.6)	-	-	-	4 (14.3)
Business and Management	20	4 (20.0)	14 (70.0)	2 (10.0)	-	-	-	-
Communications	1	-	-	1 (100.0)	-	-	-	-
Computer and Information Sciences	11	3 (27.3)	8 (72.7)	-	-	-	-	-
Education	161	92 (57.1)	21 (13.0)	23 (14.3)	4 (2.5)	11 (6.8)	6 (3.7)	4 (2.5)
Engineering	50	15 (30.0)	34 (68.0)	-	-	-	1 (2.0)	-
Fine and Applied Arts	5	1 (20.0)	4 (80.0)	-	-	-	-	-
Foreign Languages	6	3 (50.0)	2 (33.3)	-	1 (16.7)	-	-	-
Health Professions	17	5 (29.4)	5 (29.4)	-	-	-	-	7 (41.2)
Law	8	6 (75.0)	-	-	-	-	2 (25.0)	-
Letters	21	8 (38.1)	8 (38.1)	3 (14.3)	-	2 (9.5)	-	-
Library Science	7	4 (57.1)	3 (42.9)	-	-	-	-	-
Mathematics	15	4 (26.7)	10 (66.7)	1 (6.6)	-	-	-	-
Physical Sciences	40	8 (20.0)	23 (57.5)	1 (2.5)	-	-	6 (15.0)	2 (5.0)
Psychology	19	7 (36.8)	8 (42.1)	1 (5.3)	-	1 (5.3)	2 (10.5)	-
Public Affairs and Services	7	1 (14.3)	6 (85.7)	-	-	-	-	-
Social Services	29	6 (20.7)	15 (51.7)	3 (10.3)	3 (10.3)	1 (3.5)	1 (3.5)	-
Interdisciplinary Studies	2	2 (100.0)	-	-	-	-	-	-
GRAND TOTAL	449	182 (40.5)	173 (38.5)	36 (8.0)	8 (1.8)	15 (3.3)	18 (4.0)	17 (3.8)

RESULTS FOR DOCTORAL GRADUATES

A brief overview of the postgraduation status for doctoral graduates in 1977 and 1978 follows:

Year	Responding Grads.	Employed		Un-employed	Pursuing Advanced Degree	Of Full-Time Employed	
		Full Time	Part Time			Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1977	500	90.8	3.6	4.2	1.4	90.3	57.0
1978	449	88.8	3.3	4.0	3.8	89.0	54.6

Table 12 gives the postgraduation activities for persons receiving doctoral degrees from Pennsylvania institutions in 1978.

Full-Time Employment for Doctoral Graduates

Table 13 ranks each major discipline according to the percentage of doctoral graduates with full-time employment in 1978. Low return rates for several major disciplines may result in unduly high employment percentages in such areas. It is evident that doctoral graduates as a whole enjoy high rates of full-time employment.

Table 13

Full-Time Employment in 1978 for Doctoral Versus Baccalaureate and Master's Graduates

Major Discipline	Percent	Rank		
		Doctoral	Bachelor's*	Master's*
Agricultural & Natural Resources	100.0	5.5	7	18
Business & Management	100.0	5.5	4	2
Communications	100.0	5.5	9	9
Computer & Information Sciences	100.0	5.5	3	8
Fine & Applied Arts	100.0	5.5	15	15
Foreign Languages	100.0	5.5	11	11
Interdisciplinary Studies	100.0	5.5	13	1
Library Science	100.0	5.5	5	5
Mathematics	100.0	5.5	6	14
Public Affairs & Services	100.0	5.5	10	6
Engineering	98.0	11	2	7
Social Sciences	93.1	12	17	12
Letters	90.5	13	16	10
Education	87.0	14	8	3
Biological Sciences	85.7	15	19	17
Psychology	84.2	16	14	16
Physical Sciences	80.0	17	18	13
Law	75.0	18	11	-
Health Professions	58.8	19**	1	4

*Reranked for those areas for which bachelor's, master's and doctoral data are available.
**Percent indicates postdoctoral work in the health professions.

Doctoral Graduates Employed in Their Field of Preparation

Table 14 shows the high proportion of employed doctoral graduates working in their field of preparation. Examination of these proportions and ranks of graduates among the various disciplines reflects the high probability of doctoral degree recipients being employed in their field of preparation.

Table 14

Percentage of Full-Time Employed Doctoral Graduates Employed in Their Field of Preparation, 1978

Major Discipline	Percent	Rank Doctoral	Rank Bachelor's*	Rank Master's*
Computer & Information Sciences	100.0	5	3	14
Fine & Applied Arts	100.0	5	13	15
Agriculture & Natural Resources	100.0	5	7	17
Engineering	100.0	5	2	2
Health Professions	100.0	5	1	3
Interdisciplinary Studies	100.0	5	11	1
Law	100.0	5	18	-
Library Science	100.0	5	5	4
Public Affairs & Services	100.0	5	10	12
Physical Sciences	96.9	10	8	6
Biological Sciences	95.8	11	12	8
Psychology	93.8	12	14	5
Mathematics	93.3	13	6	11
Business & Management	90.0	14	4	9
Letters	84.2	15	16	10
Foreign Languages	83.3	16	17	16
Education	80.7	17	9	7
Social Sciences	77.8	18	15	13

*Reranked for those areas for which bachelor's, master's and doctoral data are available.

Doctoral Graduates Employed in Pennsylvania

Table 15 shows the proportion of full-time employed doctoral graduates employed in Pennsylvania. At all three degree levels there is a tendency toward out-of-state employment for engineers, mathematicians, agriculture and natural resources, physical sciences, and social sciences.

Table 15

Percentage of Full-Time Employed Doctoral Graduates Employed in Pennsylvania, 1978

Major Discipline	Percent	Rank Doctoral	Rank Bachelor's*	Rank Master's*
Interdisciplinary Studies	100.0	1.5	7	3
Law	100.0	1.5	1	-
Education	82.1	3	3	2
Biological Sciences	58.3	4	10	4
Letters	57.9	5	12	1
Library Science	57.1	6	6	6
Foreign Languages	50.0	8	13	10
Health Professions	50.0	8	1	5
Psychology	50.0	8	5	7.5
Mathematics	33.3	10.5	14	11
Social Sciences	33.3	10.5	11	7.5
Engineering	30.6	12	16	15
Business & Management	30.0	13	4	8
Physical Sciences	28.1	14	15	13
Computer & Information Sciences	27.3	15	9	14
Fine & Applied Arts	20.0	16	8	9
Public Affairs & Services	14.3	17	2	12

*Reranked for those areas for which bachelor's, master's and doctoral data are available.

RESULTS FOR FIRST-PROFESSIONAL GRADUATES

Employment of first-professional degree graduates is high. Also, of those employed full time, most are employed in their field of preparation and the majority show initial employment inside Pennsylvania.

Year	Responding Grads.	Employed: Full Time	Employed: Part Time	Un-employed	Pursuing Advanced Degree	Of Full-Time Employed: Employed in Field Prepared	Of Full-Time Employed: Employed in Pa.*
		%	%	%	%	%	%
1977	2,345	91.9	0.5	2.2	5.4	96.4	57.1
1978	2,567	94.8	0.7	1.8	2.6	98.5	57.3

Table 16 (on page 17) gives the postgraduation status of 2,567 graduates of first-professional degree programs in Pennsylvania institutions.

Full-Time Employment for First-Professional Graduates

Table 17 ranks the major fields according to the percentage of first-professional graduates in each field with full-time employment and compares these results with those for 1977.

Table 17

Percentage of First-Professional Degree Graduates With Full-Time Employment

Major Discipline	Percent 1977	Percent 1978	Rank 1977	Rank 1978
Pharmacy	-	100.0	-	1.5
Podiatry	100.0	100.0	1	1.5
Medicine (M.D.)	90.0	99.3	3	3
Law	82.6	92.2	5	4
Veterinary Medicine	-	89.7	-	5
Dentistry	89.0	89.1	4	6
Optometry	96.8	85.1	2	7

First-Professional Graduates Employed in Field of Preparation

Table 18 ranks each major discipline in terms of the percentage of fully employed graduates having employment in their professional specialty and compares the 1978 with the 1977 results.

Table 18

Percentage of Full-Time Employed First-Professional Graduates Employed in Their Field of Preparation

Major Discipline	Percent 1977	Percent 1978	Rank 1977	Rank 1978
Dentistry	100.0	100.0	2	3
Medicine (M.D.)	99.9	100.0	4	3
Pharmacy	-	100.0	-	3
Podiatry	100.0	100.0	2	3
Veterinary Medicine	-	100.0	-	3
Optometry	100.0	98.8	2	6
Law	90.6	96.2	5	7

Table 16

Employment Status by Major Discipline for First-Professional Degree Recipients for All Institutions in Pennsylvania, 1978

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree
Dentistry (D.D.S. or D.M.D. degree)	220	105 (47.7)	91 (41.4)	-	-	-	1 (0.5)	23 (10.4)
Medicine (M.D. degree)	1,044	539 (51.6)	498 (47.7)	-	-	-	-	7 (0.7)
Optometry (O.D. degree)	94	26 (27.6)	53 (56.4)	1 (1.1)	-	8 (8.5)	5 (5.3)	1 (1.1)
Podiatry (Pod.D., D.P.) or Podiatric Medicine (D.P.M.) (Include Chiropody)	102	41 (40.2)	61 (59.8)	-	-	-	-	-
Law, general (LL.B. or J.D. Degree)	1,005	611 (60.8)	281 (27.9)	28 (2.8)	7 (0.7)	11 (1.1)	41 (4.1)	26 (2.6)
Veterinary Medicine	97	40 (41.2)	47 (48.5)					10 (10.3)
Pharmacy	5	3 (60.0)	2 (40.0)	-	-	-	-	-
GRAND TOTAL	2,567	1,365 (53.2)	1,033 (40.2)	29 (1.1)	7 (0.3)	19 (0.7)	47 (1.8)	67 (2.6)

First-Professional Graduates Employed in Pennsylvania

Table 19 compares the percentage of fully employed first-professional graduates employed in Pennsylvania shortly after their graduation both in 1977 and 1978.

Table 19

Percentage of Full-Time Employed First-Professional Degree Graduates Employed in Pennsylvania

Major Discipline	Percent		Rank	
	1977	1978	1977	1978
Law	67.8	68.9	2	1
Pharmacy	-	60.0	-	2
Dentistry	71.2	53.6	1	3
Medicine (M.D.)	47.2	52.0	3	4
Veterinary Medicine	-	46.0	-	5
Podiatry	46.3	40.2	4	6
Optometry	46.2	33.8	5	7

First-Professional Graduates Who Pursue Advanced Degrees

As noted in Table 16, first-professional graduates in the following major disciplines and percentages pursued advanced degrees shortly after being graduated in 1978: dentistry, 10.4; veterinary medicine, 10.3; law, 2.6; optometry, 1.1; and medicine (M.D.) 0.7.

RESULTS FOR ASSOCIATE DEGREE GRADUATES

The postgraduation activities results given in Table 20 represent 9,128 associate degree graduates from all types of Pennsylvania institutions in 1978. Highlighted below is the postgraduation status of associate degree graduates in 1977 and 1978.

Year	Responding Grads.	Employed		Un-employed	Pursuing Advanced Degree	Of Full-Time Employed	
		Full Time	Part Time			Employed in Field Prepared	Employed in Pa.
		%	%	%	%	%	%
1977	8,589	67.7	3.8	6.1	22.4	87.4	88.3
1978	9,128	68.4	3.5	6.1	21.9	85.7	86.9

Full-Time Employment for Associate Degree Graduates

In Table 21 the employment success of associate degree graduates in 1978 in each major discipline is ranked from high to low.

Table 20

Employment Status by Major Discipline for Associate Degree Recipients for All Institutions in Pennsylvania, 1978

HEGIS Degree Field	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part-Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Data Processing Technologies	298	178 (59.7)	31 (10.4)	28 (9.4)	3 (1.0)	9 (3.0)	26 (8.7)	23 (7.7)
Health Services & Para-Medical Technologies	1,658	1,247 (75.2)	72 (4.3)	38 (2.3)	3 (0.2)	83 (5.0)	73 (4.4)	142 (8.6)
Mechanical & Engineering Technologies	1,800	884 (49.1)	466 (25.9)	120 (6.7)	11 (0.6)	14 (0.8)	97 (5.4)	208 (11.5)
Natural Science Technologies	259	130 (50.2)	18 (7.0)	35 (13.5)	1 (0.4)	14 (5.4)	20 (7.7)	41 (15.8)
Business & Commerce Technologies	2,463	1,507 (61.2)	124 (5.0)	214 (8.7)	19 (0.8)	55 (2.2)	219 (8.9)	325 (13.2)
Public Service-Related Technologies	756	341 (45.1)	19 (2.5)	108 (14.3)	10 (1.3)	56 (7.4)	55 (7.3)	167 (22.1)
Arts and Science Transfers	1,894	312 (16.5)	27 (1.4)	292 (15.4)	12 (0.6)	91 (4.8)	71 (3.8)	1,089 (57.5)
GRAND TOTAL	9,128	4,599 (50.4)	757 (8.3)	835 (9.1)	59 (0.6)	322 (3.5)	561 (6.1)	1,995 (21.9)

Table 21

Percentage of Associate Degree Graduates With Full-Time Employment

Major Discipline	Percent		Rank	
	1977	1978	1977	1978
Mechanical & Engineering Tech.	79.3	82.3	3	1
Health Ser. & Para-Med. Tech.	83.1	82.0	2	2
Data Processing Tech.	87.2	80.5	1	3
Business & Commerce Tech.	73.5	75.7	4	4
Natural Science Tech.	69.1	71.1	5	5
Public Service-Related Tech.	59.4	63.2	6	6
Arts & Science Transfers	32.8	33.9	7	7

Percentage Changes in Full-Time Employment, Associate Level, 1977-1978

	Percent Increase		Percent Decrease
Pub. Service-Related Tech.	3.8	Data Processing Tech.	6.7
Tech. & Eng. Tech.	3.0	Health Ser./Para Med. Tech.	1.1
Business & Comm. Tech.	2.2		
Natural Science Tech.	2.0		
Arts & Science Trans.	1.1		

Associate Degree Graduates Employed in Their Field of Preparation

Of graduates with full-time employment, Table 22 gives the percentage having full-time employment in their fields of preparation after graduation in 1977 and 1978.

Table 22

Percentage of Full-Time Employed Associate Degree Graduates Employed in Their Field of Preparation

Major Discipline	Percent		Rank	
	1977	1978	1977	1978
Health Ser. & Para-Med. Tech.	95.9	97.0	1	1
Mechanical & Engineering Tech.	89.2	91.2	2	2
Business & Commerce Tech.	88.6	87.5	3	3
Data Processing Tech.	85.6	87.1	4	4
Natural Science Tech.	67.4	80.4	7	5
Public Service-Related Tech.	79.7	75.3	5	6
Arts & Science Transfers	73.8	52.7	6	7

Increases and decreases in associate level graduates' employment in their fields of preparation between 1977 and 1978 are as follows:

Percentage Changes in Employment in Field of Preparation, 1977-78

	Percent Increase		Percent Decrease
Natural Science Tech.	12.5	Arts & Science Transfers	21.1
Mechanical & Engineering Tech.	2.0	Public Service-Related Tech.	4.4
Data Processing Tech.	1.5	Business & Commerce Tech.	1.1
Health Ser. & Para-Med. Tech.	1.1		

Associate Degree Graduates Employed in Pennsylvania

Table 23 represents the percentage and ranks of all employed associate degree graduates employed in Pennsylvania in 1977 and 1978. This table shows declines in employment in Pennsylvania for graduates in all major disciplines except health and public service.

Table 23

Percentage of Full-Time Employed Associate Degree Graduates Employed in Pennsylvania

Major Discipline	Percent		Rank	
	1977	1978	1977	1978
Health Ser. & Para-Med. Tech.	97.5	94.5	1	1
Public Service-Related Tech.	94.9	93.9	2	2.5
Arts & Science Transfers	93.0	93.9	3	2.5
Business & Commerce Tech.	91.5	92.3	4	4
Natural Science Tech.	88.4	89.7	5	5
Data Processing Tech.	83.1	85.8	6	6
Mechanical & Engineering Tech.	77.2	67.8	7	7

The lists below show the changes in the percentage of associate degree graduates employed in Pennsylvania over the one-year period between 1977 and 1978.

Changes in Associate Level Employment in Pennsylvania, 1977-1978

	Percent Increase		Percent Decrease
Data Processing Tech.	2.7	Mechanical & Engineering Tech.	9.4
Natural Science Tech.	1.3	Health & Para-Med. Tech.	3.0
Arts and Science Transfers	0.9	Public Service-Related Tech.	1.0
Business & Commerce Tech.	0.8		

Associate Degree Graduates Pursuing Advanced Degrees

Table 24 ranks the percentage of associate degree graduates who in 1977 and 1978 pursued advanced degrees.

Table 24

Percentage of Associate Degree Graduates Pursuing Advanced Degrees, Ranked by Major Discipline, 1978

Major Discipline	Percent		Rank	
	1977	1978	1977	1978
Arts & Science Transfers	56.5	57.5	1	1
Public Service-Related Tech.	28.8	22.1	2	2
Natural Science Tech.	15.3	15.8	4	3
Business & Commerce Tech.	15.7	13.2	3	4
Mechanical & Engineering Tech.	12.8	11.5	5	5
Health Service & Para-Med. Tech.	7.2	8.6	7	6
Data Processing Tech.	9.0	7.7	6	7

Listed below are the changes in the percentage of associate degree graduates pursuing advanced degrees shortly after their graduation in 1977 and 1978.

Changes in Associate Graduates Pursuing Advanced Degrees, 1977-1978

	Percent Increase		Percent Decrease
Health Service & Para-Med. Tech.	1.4	Public Service-Related Tech.	6.7
Arts & Science Transfers	1.0	Business & Commerce Tech.	2.5
Natural Science Tech.	0.5	Mechanical & Engineering Tech.	1.3
		Data Processing Tech.	1.3

DISCUSSION

1. Full-time employment increased a 4.0 percent for bachelor's graduates in 1978 over 1977. Employment increases averaging 2.0 percent occurred for Pennsylvania graduates at the associate, master's and first-professional levels. Although full-time employment of doctoral graduates dropped 2.0 percent, this was largely due to an increase of 2.4 percent more doctoral graduates pursuing advanced studies in 1978 than in 1977.

   These employment increases are supported by data released by the College Placement Council, July 1978, indicating job offers at the bachelor's level were up 35 percent over 1977, and that job offers in 1978 were also up (but to a lesser extent) for master's and doctoral level graduates.

   This report indicates that better than 75.0 percent of Pennsylvania's graduates employed full time are employed in fields for which they were prepared. However, at the same time a slightly higher percentage in 1978 of graduates at every degree level, except the master's, found employment outside Pennsylvania.

   The generally positive picture for Pennsylvania graduates as given in this report is supported by the opening statement of a February 1979 U.S. Department of Labor publication Employment and Unemployment During 1978 to the effect that "a strong increase in employment highlighted the nation's job situation in 1978; gains were pervasive throughout the economy, occurring in every major industry and among all major worker groups. The jobless rate declined in 1978."

2. When the major disciplines are ranked according to the percentage of graduates in each major discipline with full-time employment, the top 12 disciplines which rank high for employment rank low for those pursuing advanced degrees. These 12 disciplines tend to prepare students for bachelor's degree entry level jobs. Conversely, the 11 remaining disciplines, which rank low for initial employment and high for those pursuing advanced degrees, include some occupations for which master's or higher degrees are considered necessary. The net effect is that both groups average the same unemployment rate of 17.0 percent as averaged over a five-year period.

   A resurvey of Pennsylvania's bachelor's graduates of 1974 showed that full-time employment increased over a two and one-half year period by an overall average of 12 percent for graduates in 19 of the 23 disciplines. Large to moderate employment gains were also made over the resurvey period by bachelor's graduates in most of the major disciplines consistently ranking low in initial employment. Several disciplines which illustrate some increases in employment and consequently increases in rank position are area studies, social studies, and foreign languages.

   Several questions are raised by the fact that the major disciplines ranking low for initial employment rank high in the proportion of graduates pursuing advanced degrees: (1) What percentage of these graduates are pursuing additional degree requirements needed to advance their professional preparation, and what percentage may be retreating from a sluggish job market in their fields? (2) Do the graduates have sufficient skills in seeking employment, and do they institute their search for employment sufficiently early?

3. This study shows that at the master's, doctoral and first-professional degree levels the proportion of graduates with full-time employment ranges from 82 to 95 percent. This refutes the conventional wisdom that large numbers of such graduates are unemployed.

4. Seventy-five percent or more of all full-time employed graduates of all degree levels in 1977 were reported as being employed in their fields of preparation.

5. Although a majority of full-time employed graduates are employed in Pennsylvania the percentages employed out-of-state increased slightly in 1978.

6. The relatively higher percentage of associate, bachelor's and master's graduates employed in Pennsylvania is due to their degrees having a higher regional demand in contrast to doctoral and first-professional level graduates, who tend to go where internships in their specialties are available, or where there is a demand for their professional specialty--which may be in the national or international market.

7. This report indicates Pennsylvania's higher education programs are generally relevant to postgraduation pursuits in a broad spectrum of occupations.

APPENDICES

The tables in the Appendix supplement those in the text. The 25.0 table series gives the survey response data for graduates in each major discipline, degree level, and category of institution. Table series 26.0 through 29.0 gives postgraduation employment status data for graduates in each major discipline, degree level, and institutional type. Postgraduation information is given by degree field and institutional category for bachelor's, master's, doctoral, and associate degree graduates in series 30.0 through 33.0.

Table 25.0

Number of Returns Received from Four-Degree Levels of Graduates Compared With the Number of Graduates for All Institutions by Major Discipline, 1978

Major Discipline	All Degrees		Bachelor's		Master's		Doctoral		First Prof.	
	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns
Agriculture and Natural Resources	955	625 (65.4)	876	603 (68.8)	62	20 (32.3)	17	2 (11.8)	-	-
Architecture and Environmental Design	458	105 (22.9)	204	81 (39.7)	250	24 (9.6)	4	- (0.0)	-	-
Area Studies	190	50 (26.3)	129	47 (36.4)	41	3 (7.3)	20	- (0.0)	-	-
Biological Sciences	3,638	1,868 (51.3)	3,200	1,752 (54.8)	294	88 (29.9)	144	28 (19.4)	-	-
Business and Management	12,088	5,171 (42.8)	9,735	1,657 (47.8)	2,290	494 (21.6)	63	20 (31.7)	-	-
Communications	1,234	605 (49.0)	1,003	567 (55.9)	223	37 (16.6)	8	1 (12.5)	-	-
Computer and Information Sciences	532	321 (60.3)	371	292 (78.4)	136	18 (13.2)	25	11 (44.0)	-	-
Education	14,182	8,599 (60.6)	8,548	6,587 (77.1)	5,216	1,851 (35.5)	418	161 (38.5)	-	-
Engineering	4,414	2,156 (48.8)	3,415	1,889 (55.3)	868	217 (25.0)	131	50 (38.2)	-	-
Fine and Applied Arts	2,293	898 (39.2)	1,998	811 (40.6)	272	82 (30.1)	23	5 (21.7)	-	-
Foreign Languages	944	363 (38.5)	770	320 (42.7)	141	28 (19.9)	33	6 (18.2)	-	-
Health Professions	5,821	3,293 (56.6)	3,196	1,589 (49.7)	548	125 (22.8)	46	17 (37.0)	2,031	1,562 (76.9)
Home Economics	1,035	477 (46.1)	974	469 (48.2)	48	8 (16.7)	13	- (0.0)	-	-
Law	1,327	1,037 (78.1)	16	22 (137.5)	85	2 (2.4)	-	8 -	1,226	1,005 (82.0)
Letters	3,205	1,108 (34.6)	2,624	1,004 (38.3)	457	83 (18.2)	124	21 (16.9)	-	-
Library Science	494	190 (38.5)	66	98 (148.4)	415	85 (20.5)	13	7 (53.8)	-	-
Mathematics	1,029	481 (46.7)	810	394 (48.6)	177	72 (40.7)	42	15 (35.7)	-	-
Physical Sciences	2,200	1,119 (50.9)	1,736	998 (57.5)	287	81 (28.2)	177	40 (22.6)	-	-
Psychology	2,957	1,361 (46.0)	2,523	1,207 (47.8)	360	135 (37.5)	74	19 (25.7)	-	-
Public Affairs and Services	3,824	1,439 (37.6)	2,808	1,188 (42.3)	977	244 (25.0)	39	7 (17.9)	-	-
Social Sciences	7,532	3,282 (43.6)	6,759	3,131 (46.3)	585	122 (20.9)	188	29 (15.4)	-	-
Theology	921	176 (19.1)	376	164 (43.6)	120	12 (10.0)	42	- (0.0)	383	-
Interdisciplinary Studies	1,650	412 (25.0)	1,560	394 (25.3)	83	16 (19.3)	7	2 (28.6)	-	-
GRAND TOTAL	72,923	35,136 (48.2)	53,697*	28,273 (52.7)	13,935	3,847 (27.6)	1,651	449 (69.0)	3,640	2,567 (70.5)

*Includes 523 graduates of theological seminaries not included in survey.

Table 25.1

Number of Returns Received from Graduates at Four-Degree Levels as Compared With the Number of Graduates for All Institutions Within Institutional Category in Pennsylvania, 1978

Institutional Category	All Degrees		Bachelor's		Master's		Doctoral		First Prof.	
	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns	No. of Grads.	No. of Returns
State Colleges & University	15,436	10,762 (69.7)	12,705	9,311 (73.3)	2,730	1,451 (53.2)	1	- (0.0)	-	-
State-Related	22,606	10,004 (44.3)	15,394	6,975 (45.3)	4,997	1,668 (33.4)	1,019	337 (33.1)	1,196	1,024 (85.6)
State-Aided	8,768	1,833 (20.9)	4,343	387 (8.9)	2,368	86 (3.6)	384	18 (4.7)	1,673	1,342 (80.2)
Private Colleges, Universities	26,113	12,537 (48.0)	21,255	11,600 (54.6)	3,840	642 (16.7)	247	94 (38.1)	771	201 (26.1)
GRAND TOTAL	72,923	35,136 (48.2)	53,697*	28,273 (52.7)	13,935	3,847 (27.6)	1,651	449 (27.2)	3,640	2,567 (70.5)

*Includes 523 graduates of theological seminaries not included in survey.

Table 25.2

Number of Returns Received for Associate Degree Graduates Compared With the Number of Graduates for All Such Institutions by Major Discipline, 1978

Major Discipline	Associate Degrees Awarded in Pennsylvania, 1978*	Number of Returns	Percent of Returns
Data Processing Technologies	684	298	43.6
Health Services & Para-Medical Technologies	2,368	1,658	70.0
Mechanical & Engineering Technologies	3,272	1,800	55.0
Natural Sciences Technologies	435	259	59.5
Business & Commerce Technologies	5,237	2,463	47.0
Public Service-Related Technologies	1,392	756	54.3
Arts and Science Transfers	4,302	1,894	44.0
GRAND TOTAL	17,690	9,128	51.6

*48.8 percent of these associate degrees are based on work not wholly or chiefly creditable toward a bachelor's degree.

Table 25.3

Number of Returns Received for Associate Degree Graduates Compared With the Number of Graduates for All Such Institutions by Institutional Category, 1978

Institutional Category	Associate Degrees Awarded in Pennsylvania, 1978	Number of Returns	Percent of Returns
Community Colleges	8,568	5,582	65.1
Colleges & Universities	5,283	1,760	33.3
Proprietary Institutions	3,839	1,786	46.5
GRAND TOTAL	17,690	9,128	51.6

Table 26.0

Employment Status by Major Discipline for Baccalaureate Degree Recipients in the State Colleges and University in Pennsylvania, 1978

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	36	5 (8.3)	3 (8.3)	7 (19.4)	2 (5.6)	1 (2.8)	18 (52.8)	1 (2.8)
Architecture and Environmental Design	7	6 (85.7)	-	-	-	-	1 (14.3)	-
Biological Sciences	319	69 (21.6)	18 (5.6)	60 (18.8)	12 (3.8)	10 (3.1)	61 (19.1)	89 (27.9)
Business and Management	1,207	689 (57.1)	157 (13.0)	88 (7.3)	14 (1.1)	36 (3.0)	181 (15.0)	42 (3.5)
Communications	128	55 (43.0)	17 (13.3)	20 (15.6)	4 (3.1)	5 (3.9)	13 (10.2)	14 (10.9)
Computer Sciences	110	72 (65.5)	29 (26.4)	1 (0.9)	1 (0.9)	-	5 (4.5)	2 (1.8)
Education	4,484	1,814 (40.5)	699 (15.6)	697 (15.5)	104 (2.3)	358 (8.0)	541 (12.1)	271 (6.0)
Fine and Applied Arts	247	69 (27.9)	14 (5.7)	52 (21.1)	13 (5.2)	16 (6.3)	56 (22.7)	27 (10.9)
Foreign Language	73	16 (21.9)	5 (6.8)	29 (39.7)	6 (8.2)	-	10 (13.7)	7 (9.6)
Health Professions	292	222 (76.0)	31 (1.0)	7 (2.4)	3 (1.0)	4 (1.4)	9 (3.1)	15 (5.1)
Home Economics	167	103 (61.7)	20 (12.0)	5 (3.0)	-	-	15 (9.0)	24 (14.3)
Letters	168	36 (21.4)	7 (4.2)	43 (25.6)	8 (4.8)	8 (4.8)	40 (23.8)	26 (15.4)
Library Science	88	40 (45.5)	21 (23.9)	5 (5.7)	1 (1.1)	4 (4.5)	12 (13.6)	5 (5.7)
Mathematics	91	40 (43.9)	18 (19.8)	13 (14.3)	2 (2.2)	3 (3.3)	4 (4.4)	11 (12.1)
Physical Sciences	170	41 (24.1)	26 (15.3)	22 (12.9)	5 (2.9)	4 (2.4)	10 (5.9)	62 (36.5)
Psychology	339	111 (32.7)	13 (4.4)	69 (20.3)	16 (4.7)	15 (4.4)	65 (19.2)	48 (14.2)
Public Affairs and Services	458	188 (41.0)	48 (10.5)	83 (18.1)	17 (3.7)	22 (4.8)	80 (17.5)	20 (4.4)
Social Sciences	839	255 (29.7)	74 (8.6)	180 (21.0)	40 (4.6)	28 (3.3)	164 (19.1)	118 (13.7)
Interdisciplinary Studies	68	15 (22.1)	7 (10.3)	12 (17.6)	5 (7.4)	3 (4.4)	23 (33.8)	3 (4.4)
GRAND TOTAL	9,311	3,844 (41.3)	1,210 (13.0)	1,393 (15.0)	253 (2.7)	317 (3.3)	1,309 (14.1)	781 (8.4)

Table 26.1

Employment Status by Major Discipline for Baccalaureate Degree Recipients for State-Aided Institutions in Pennsylvania, 1978

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	195	96 (49.2)	78 (40.0)	8 (4.1)	6 (3.1)	-	2 (1.0)	5 (2.6)
Biological Sciences	26	6 (23.1)	6 (23.1)	1 (3.8)	2 (7.7)	-	2 (7.7)	9 (34.6)
Business and Management	36	23 (63.9)	6 (16.7)	-	4 (11.1)	-	2 (5.5)	1 (2.7)
Health Professions	125	91 (72.8)	28 (22.4)	2 (1.6)	1 (0.8)	-	-	3 (2.4)
Physical Sciences	5	3 (60.0)	-	-	-	-	-	2 (40.0)
GRAND TOTAL	387	219 (56.6)	118 (30.5)	11 (2.8)	13 (3.4)	-	6 (1.4)	20 (5.2)

Table 26.2

Employment Status by Major Discipline for Baccalaureate Degree Recipients for State-Related Institutions in Pennsylvania, 1978

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	372	97 (26.1)	62 (16.7)	53 (14.2)	13 (3.5)	22 (5.9)	67 (18.0)	58 (15.6)
Architecture and Environmental Design	50	10 (20.0)	11 (22.0)	7 (14.0)	1 (2.0)	2 (4.0)	7 (14.0)	12 (24.0)
Area Studies	12	1 (8.3)	1 (8.3)	2 (16.7)	2 (16.7)	1 (8.3)	3 (25.0)	2 (16.7)
Biological Sciences	379	29 (7.6)	17 (4.5)	33 (8.7)	29 (7.6)	17 (4.5)	72 (19.0)	192 (50.7)
Business and Management	1,295	473 (36.6)	199 (15.4)	129 (10.0)	28 (2.2)	44 (3.4)	234 (17.9)	110 (8.5)
Communications	234	70 (29.9)	40 (17.1)	24 (10.3)	9 (3.8)	29 (12.4)	43 (18.4)	19 (8.1)
Computer Sciences	97	38 (39.2)	33 (34.1)	4 (4.1)	3 (3.1)	-	6 (6.2)	11 (11.3)
Education	890	279 (31.3)	70 (7.8)	70 (7.8)	25 (2.8)	118 (13.3)	180 (20.2)	132 (14.8)
Engineering	880	317 (36.0)	412 (46.8)	34 (3.9)	17 (1.9)	4 (0.4)	48 (5.5)	48 (5.5)
Fine and Applied Arts	170	15 (8.8)	13 (7.6)	21 (12.4)	7 (4.1)	34 (20.0)	44 (26.2)	32 (18.8)
Foreign Language	57	6 (10.5)	3 (5.3)	6 (10.5)	4 (7.0)	3 (5.3)	13 (22.8)	18 (31.6)
Health Professions	367	242 (65.9)	39 (10.6)	27 (7.4)	3 (0.8)	9 (2.2)	28 (7.6)	20 (5.4)
Home Economics	193	62 (31.8)	34 (17.4)	19 (9.7)	2 (1.0)	14 (7.2)	40 (20.5)	24 (12.3)
Law	3	1 (33.3)	-	-	-	-	1 (33.3)	1 (33.3)
Letters	243	34 (14.0)	20 (8.2)	38 (15.6)	14 (5.8)	25 (10.3)	54 (22.2)	58 (23.9)
Library Science	1	-	-	1 (100.0)	-	-	-	-
Mathematics	41	7 (17.1)	9 (22.0)	4 (9.7)	1 (2.4)	-	7 (17.1)	13 (31.7)
Physical Sciences	287	38 (13.2)	58 (20.2)	10 (3.5)	13 (4.5)	24 (4.9)	36 (12.5)	118 (41.1)
Psychology	239	37 (15.5)	23 (9.6)	42 (17.6)	18 (7.5)	13 (5.4)	42 (17.6)	64 (26.8)
Public Affairs and Services	517	184 (35.6)	38 (7.4)	69 (13.3)	11 (2.1)	46 (8.9)	111 (21.5)	58 (11.2)
Social Sciences	562	58 (10.3)	56 (10.0)	91 (16.2)	32 (5.7)	43 (8.0)	106 (18.9)	174 (30.9)
Interdisciplinary Studies	184	25 (13.6)	32 (17.4)	20 (10.9)	7 (3.8)	13 (7.0)	34 (18.5)	53 (28.8)
GRAND TOTAL	6,973	2,023 (29.0)	1,182 (16.9)	712 (10.2)	227 (3.3)	456 (6.5)	1,160 (16.6)	1,217 (17.4)

Table 26.3

Employment Status by Major Discipline for Baccalaureate Degree Recipients for Private Institutions in Pennsylvania, 1978

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	34	10 (41.7)	9 (37.5)	-	-	-	1 (4.2)	4 (16.6)
Area Studies	35	3 (8.6)	3 (8.6)	4 (11.4)	9 (25.7)	1 (2.8)	1 (2.8)	14 (40.0)
Biological Sciences	1,008	114 (11.1)	98 (9.7)	72 (7.0)	39 (3.8)	14 (1.4)	111 (10.8)	586 (37.0)
Business and Management	2,219	1,059 (47.7)	492 (22.2)	98 (4.4)	52 (2.3)	33 (1.5)	294 (13.2)	191 (8.6)
Communications	309	80 (39.0)	21 (10.2)	33 (16.1)	13 (7.3)	6 (2.9)	35 (17.1)	13 (7.3)
Computer Sciences	87	44 (32.9)	18 (20.7)	4 (4.6)	1 (1.1)	3 (3.4)	7 (8.0)	8 (9.2)
Education	1,213	474 (39.2)	225 (18.5)	134 (10.2)	57 (4.7)	74 (6.1)	151 (12.4)	104 (8.6)
Engineering	1,009	317 (31.4)	511 (50.6)	4 (0.4)	25 (2.5)	-	43 (4.3)	107 (10.6)
Fine and Applied Arts	394	89 (22.6)	58 (14.7)	48 (12.2)	44 (11.2)	23 (5.8)	40 (10.1)	93 (13.6)
Foreign Languages	199	26 (13.1)	23 (11.5)	33 (16.6)	39 (19.6)	3 (1.5)	23 (11.6)	32 (16.1)
Health Professions	895	564 (70.1)	148 (18.4)	6 (0.7)	3 (0.3)	16 (2.0)	23 (2.9)	46 (5.7)
Home Economics	107	41 (38.3)	36 (34.5)	9 (4.7)	4 (3.7)	6 (5.7)	13 (12.1)	14 (13.1)
Law	19	-	-	7 (36.8)	5 (26.3)	2 (10.5)	-	5 (26.3)
Letters	593	92 (15.5)	84 (14.2)	87 (14.7)	66 (11.1)	18 (3.0)	58 (9.8)	188 (31.7)
Library Science	9	2 (22.2)	1 (11.1)	2 (22.2)	-	1 (11.1)	-	3 (33.3)
Mathematics	262	82 (31.3)	87 (33.2)	13 (5.0)	13 (5.0)	2 (0.8)	14 (5.3)	51 (19.4)
Physical Sciences	536	84 (15.7)	87 (16.2)	21 (3.9)	22 (4.1)	3 (0.6)	26 (4.8)	293 (54.7)
Psychology	629	148 (23.5)	52 (8.3)	80 (12.7)	75 (11.9)	14 (2.2)	72 (11.4)	188 (29.9)
Public Affairs and Services	213	79 (37.1)	31 (14.5)	21 (9.9)	8 (3.8)	14 (6.6)	22 (10.3)	38 (17.8)
Social Sciences	1,710	262 (15.3)	172 (10.1)	215 (12.6)	199 (11.6)	32 (1.9)	183 (10.7)	647 (37.8)
Theology	164	23 (14.0)	28 (17.1)	28 (17.1)	20 (12.2)	4 (2.4)	10 (6.1)	51 (31.1)
Interdisciplinary Studies	142	61 (43.0)	7 (4.9)	16 (11.3)	18 (12.7)	5 (3.5)	12 (8.4)	23 (16.2)
GRAND TOTAL	11,602	3,650 (31.5)	2,173 (18.7)	921 (7.9)	713 (6.1)	275 (2.4)	1,141 (9.8)	2,721 (23.5)

Table 27.0

Employment Status by Major Discipline for Master's Degree Recipients forthe State Colleges and University in Pennsylvania, 1976

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	1	-	-	-	-	-	1 (100.0)	-
Biological Sciences	32	18 (56.3)	5 (15.6)	-	1 (3.1)	1 (3.1)	1 (3.1)	6 (18.8)
Business and Management	64	43 (67.2)	7 (10.9)	11 (17.2)	-	-	2 (3.1)	1 (1.6)
Communications	28	17 (60.7)	5 (17.9)	2 (7.1)	-	-	4 (14.3)	-
Education	1,030	790 (76.7)	98 (9.5)	91 (8.8)	3 (0.3)	13 (1.3)	24 (2.3)	11 (1.1)
Engineering	11	11 (100.0)	-	-	-	-	-	-
Fine and Applied Arts	18	11 (61.1)	3 (16.7)	1 (5.5)	-	-	2 (11.1)	1 (5.5)
Foreign Language	9	4 (44.4)	2 (22.2)	2 (22.2)	-	1 (11.1)	-	-
Health Professions	10	6 (60.0)	-	-	-	3 (30.0)	1 (10.0)	-
Letters	38	30 (78.9)	2 (5.3)	2 (5.3)	1 (2.6)	-	1 (2.6)	2 (5.3)
Library Science	37	17 (45.9)	9 (24.3)	1 (2.7)	-	-	10 (27.0)	-
Mathematics	25	13 (52.0)	7 (28.0)	4 (16.0)	-	-	-	1 (4.0)
Physical Sciences	15	10 (66.7)	1 (6.6)	-	-	-	1 (6.6)	3 (20.0)
Psychology	25	9 (36.0)	6 (24.0)	2 (8.0)	1 (4.0)	4 (16.0)	3 (12.0)	-
Public Affairs and Services	59	21 (35.6)	29 (49.1)	6 (10.2)	-	1 (1.7)	1 (1.7)	1 (1.7)
Social Sciences	47	24 (51.1)	11 (23.4)	6 (12.7)	-	-	3 (6.4)	3 (6.4)
Interdisciplinary Studies	2	1 (50.0)	1 (50.0)	-	-	-	-	-
GRAND TOTAL	1,451	1,025 (70.6)	186 (12.8)	128 (8.8)	6 (0.4)	23 (1.6)	54 (3.7)	29 (2.0)

Table 27.1

Employment Status by Major Discipline for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1978

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	19	4 (21.1)	4 (21.1)	-	-	-	3 (15.7)	8 (42.1)
Architecture and Environmental Design	22	11 (50.0)	7 (31.8)	-	2 (9.1)	-	1 (4.5)	1 (4.5)
Area Studies	3	-	-	-	1 (33.3)	-	2 (66.7)	-
Biological Sciences	31	2 (6.4)	1 (3.2)	3 (9.7)	-	-	7 (22.6)	18 (58.1)
Business and Management	197	112 (56.8)	34 (17.2)	21 (10.7)	7 (3.6)	1 (0.5)	8 (4.1)	14 (7.1)
Communications	9	1 (11.1)	1 (11.1)	2 (22.2)	-	-	3 (33.3)	2 (22.2)
Computer Sciences	18	6 (33.3)	5 (27.8)	2 (11.1)	1 (5.5)	-	1 (5.5)	3 (16.7)
Education	673	411 (61.1)	65 (9.6)	35 (5.2)	5 (0.7)	28 (4.2)	43 (6.4)	86 (12.8)
Engineering	102	44 (43.1)	28 (27.5)	6 (5.9)	4 (3.9)	-	1 (1.0)	19 (18.6)
Fine and Applied Arts	52	8 (15.4)	6 (11.5)	8 (15.4)	2 (3.8)	9 (17.3)	6 (11.5)	13 (25.0)
Foreign Language	19	5 (26.3)	3 (15.8)	1 (5.3)	2 (10.5)	2 (10.5)	1 (5.3)	5 (26.3)
Health Professions	104	66 (63.5)	15 (14.4)	5 (4.8)	2 (1.9)	2 (1.9)	2 (1.9)	12 (11.5)
Home Economics	8	3 (37.5)	-	-	-	-	1 (12.5)	4 (50.0)
Law	2	-	-	-	-	-	1 (50.0)	1 (50.0)
Letters	31	9 (29.0)	-	2 (6.5)	1 (3.2)	3 (9.7)	2 (6.5)	14 (45.1)
Library Science	46	27 (58.7)	11 (23.9)	4 (8.7)	-	-	2 (4.3)	2 (4.3)
Mathematics	25	8 (32.0)	2 (8.0)	1 (4.0)	-	-	9 (36.0)	5 (20.0)
Physical Sciences	40	8 (20.0)	14 (35.0)	3 (7.5)	1 (2.5)	1 (2.5)	2 (5.0)	11 (27.5)
Psychology	48	6 (12.5)	2 (4.2)	2 (4.2)	-	9 (18.7)	4 (8.3)	25 (52.1)
Public Affairs and Services	158	77 (48.7)	27 (17.1)	12 (7.6)	6 (3.8)	4 (2.5)	20 (12.7)	12 (7.6)
Social Sciences	47	10 (21.3)	7 (14.9)	5 (10.6)	-	4 (8.5)	4 (8.5)	17 (36.2)
Interdisciplinary Studies	14	12 (85.7)	2 (14.3)	-	-	-	-	-
GRAND TOTAL	1,668	830 (49.8)	234 (14.0)	112 (6.7)	34 (2.0)	63 (3.8)	123 (7.4)	272 (16.3)

Table 27.2

Employment Status by Major Discipline for Master's Degree Recipients for Private Institutions in Pennsylvania, 1978

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree
Architecture and Environmental Design	2	2 (100.0)	-	-	-	-	-	-
Biological Sciences	2	-	-	-	-	-	-	2 (100.0)
Business and Management	233	99 (42.5)	104 (44.6)	-	1 (0.4)	3 (1.3)	15 (6.4)	11 (4.7)
Education	148	107 (72.3)	27 (18.2)	2 (1.4)	2 (1.4)	1 (0.6)	2 (1.4)	7 (4.7)
Engineering	104	31 (29.8)	46 (44.2)	-	-	-	4 (3.8)	23 (22.1)
Fine and Applied Arts	12	3 (25.0)	7 (58.3)	1 (8.3)	-	-	1 (8.3)	-
Health Professions	4	3 (75.0)	1 (25.0)	-	-	-	-	-
Letters	14	10 (71.4)	2 (14.3)	-	-	-	2 (14.3)	-
Library Science	2	2 (100.0)						
Mathematics	22	1 (4.5)	8 (36.3)	-	-	-	2 (9.1)	11 (50.0)
Physical Sciences	26	8 (30.8)	5 (19.2)	-	-	-	13 (50.0)	-
Public Affairs and Services	27	5 (18.5)	18 (66.7)	-	-	-	-	4 (14.8)
Social Sciences	28	10 (35.7)	4 (14.3)	3 (10.7)	2 (7.1)	-	4 (14.3)	5 (17.9)
Theology	12	6 (50.0)	6 (50.0)	-	-	-	-	-
GRAND TOTAL	636	287 (45.1)	228 (35.8)	6 (0.9)	5 (0.8)	4 (0.6)	43 (6.8)	63 (9.9)

Table 27.3

Employment Status by Major Discipline for Master's Degree Recipients for State-Aided Institutions in Pennsylvania, 1978

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree
Biological Sciences	23	13 (56.5)	3 (13.0)	-	-	-	1 (4.3)	6 (26.1)
Health Professions	7	2 (28.6)	5 (71.4)	-	-	-	-	-
Psychology	56	36 (64.3)	13 (23.2)	-	-	-	3 (5.4)	4 (7.1)
GRAND TOTAL	86	51 (59.3)	21 (24.4)	-	-	-	4 (4.5)	10 (11.6)

Table 28.0

Employment Status by Major Discipline for Doctoral Degree Recipients for State-Related Institutions in Pennsylvania, 1978

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	2	-	2 (100.0)	-	-	-	-	-
Biological Sciences	16	9 (56.2)	5 (31.2)	1 (6.3)	-	-	-	1 (6.3)
Business and Management	12	3 (25.0)	7 (58.3)	2 (16.7)	-	-	-	-
Communications	1	-	-	1 (100.0)	-	-	-	-
Computer and Information Sciences	2	2 (100.0)	-	-	-	-	-	-
Education	161	92 (57.1)	21 (13.0)	23 (14.3)	4 (2.5)	11 (6.8)	6 (3.7)	4 (2.5)
Engineering	17	6 (35.3)	11 (64.7)	-	-	-	-	-
Fine and Applied Arts	4	-	4 (100.0)	-	-	-	-	-
Foreign Languages	6	3 (50.0)	2 (33.3)	-	1 (16.7)	-	-	-
Health Professions	16	4 (25.0)	5 (31.2)	-	-	-	-	7 (43.8)
Letters	16	4 (25.0)	7 (43.8)	3 (18.7)	-	2 (12.5)	-	-
Library Science	7	4 (57.1)	3 (42.9)	-	-	-	-	-
Mathematics	4	1 (25.0)	2 (50.0)	1 (25.0)	-	-	-	-
Physical Sciences	26	6 (23.1)	13 (50.0)	1 (3.8)	-	-	4 (15.4)	2 (7.7)
Psychology	12	4 (33.3)	6 (50.0)	1 (8.3)	-	1 (8.3)	-	-
Public Affairs and Services	6	1 (16.7)	5 (83.3)	-	-	-	-	-
Social Sciences	27	6 (22.2)	13 (48.1)	3 (11.1)	3 (11.1)	1 (3.7)	1 (3.7)	-
Interdisciplinary Studies	2	2 (100.0)	-	-	-	-	-	-
GRAND TOTAL	337	147 (43.6)	106 (31.4)	36 (10.7)	8 (2.4)	15 (4.4)	11 (3.3)	14 (4.2)

Table 28.1

Employment Status by Major Discipline for Doctoral Degree Recipients for Private Institutions in Pennsylvania, 1978

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part-Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Business and Management	8	1 (12.5)	7 (87.5)	-	-	-	-	-
Computer Sciences	9	1 (11.1)	8 (88.9)	-	-	-	-	-
Engineering	33	9 (27.3)	23 (69.7)	-	-	-	1 (3.0)	-
Fine and Applied Arts	1	1 (100.0)	-	-	-	-	-	-
Health Professions	1	1 (100.0)	-	-	-	-	-	-
Law	8	6 (75.0)	-	-	-	-	2 (25.0)	-
Letters	5	4 (80.0)	1 (20.0)	-	-	-	-	-
Mathematics	11	3 (27.3)	8 (72.7)	-	-	-	-	-
Physical Sciences	14	2 (14.3)	10 (71.4)	-	-	-	2 (14.3)	-
Psychology	1	-	1 (100.0)	-	-	-	-	-
Public Affairs and Services	1	-	1 (100.0)	-	-	-	-	-
Social Sciences	2	-	2 (100.0)	-	-	-	-	-
GRAND TOTAL	94	28 (29.8)	61 (64.9)	-	-	-	5 (5.3)	-

Table 28.2

Employment Status by Major Discipline for Doctoral Degree Recipients for State-Aided Institutions in Pennsylvania, 1978

Major Discipline	Total Reported	Employed in Field Prepared		Employed in Other Field		Employed Part-Time	Un-employed	Pursuing Advanced Degree
		In Pa.	Outside Pa.	In Pa.	Outside Pa.			
Biological Sciences	12	4 (33.3)	5 (41.7)	-	-	-	-	3 (25.0)
Psychology	6	3 (50.0)	1 (16.7)	-	-	-	2 (33.3)	-
GRAND TOTAL	18	7 (38.9)	6 (33.3)	-	-	-	2 (11.1)	3 (16.7)

Table 29.0

Employment Status by Major Discipline for Associate Degree Recipients for Community Colleges in Pennsylvania, 1978

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree
Data Processing Technologies	215	137 (63.7)	8 (3.7)	24 (11.2)	1 (0.5)	9 (4.2)	15 (7.0)	21 (9.7)
Health Services and Para-Medical Technologies	1,269	943 (74.3)	41 (3.2)	35 (2.8)	3 (0.2)	81 (6.4)	62 (4.9)	104 (8.2)
Mechanical & Engineering Technologies	626	395 (63.1)	15 (2.4)	66 (10.5)	3 (0.5)	7 (1.1)	31 (5.0)	109 (17.4)
Natural Science Technologies	149	88 (59.1)	14 (9.4)	14 (9.4)	-	-	10 (6.7)	23 (15.4)
Business and Commerce Technologies	1,198	687 (57.3)	20 (1.7)	162 (13.5)	11 (0.9)	34 (2.8)	64 (5.3)	220 (18.4)
Public Service-Related Technologies	502	231 (46.0)	6 (1.2)	90 (17.9)	4 (0.8)	25 (5.0)	32 (6.4)	114 (22.7)
Arts and Science Transfers	1,623	271 (16.7)	24 (1.5)	269 (16.6)	7 (0.4)	83 (5.1)	51 (3.1)	918 (56.6)
GRAND TOTAL	5,582	2,752 (49.3)	128 (2.3)	660 (11.8)	29 (0.5)	239 (4.3)	265 (4.7)	1,509 (27.0)

Table 29.1

Employment Status by Major Discipline for Associate Degree Recipients for Proprietary Institutions in Pennsylvania, 1978

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree
Data Processing Technologies	39	26 (66.7)	7 (17.9)	-	2 (5.1)	-	4 (10.2)	-
Health Services and Para-Medical Technologies	26	22 (84.6)	3 (11.5)	-	-	-	1 (3.8)	-
Mechanical & Engineering Technologies	805	364 (45.2)	369 (45.8)	27 (3.3)	4 (0.5)	-	26 (3.2)	15 (1.9)
Natural Science Technologies	20	10 (50.0)	-	1 (5.0)	-	-	5 (25.0)	4 (20.0)
Business and Commerce Technologies	896	611 (68.2)	92 (10.2)	28 (3.1)	5 (0.6)	7 (0.8)	101 (11.3)	52 (5.8)
GRAND TOTAL	1,786	1,033 (57.8)	471 (26.4)	56 (3.1)	11 (0.6)	7 (0.4)	137 (7.7)	71 (4.0)

Table 29.2

Employment Status by Major Discipline for Associate Degree Recipients for Four-Year Colleges and Universities, 1978

HEGIS Degree Field	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree
Data Processing Technologies	44	15 (34.1)	16 (36.4)	4 (9.1)	-	-	7 (15.9)	2 (4.5)
Health Services and Para-Medical Technologies	363	282 (77.7)	28 (7.7)	3 (0.8)	-	2 (0.6)	10 (2.8)	38 (10.4)
Mechanical & Engineering Technologies	369	125 (33.9)	82 (22.2)	27 (7.3)	4 (1.1)	7 (1.9)	40 (10.8)	84 (22.8)
Natural Science Technologies	90	32 (35.5)	4 (4.4)	20 (22.2)	1 (1.1)	14 (15.6)	5 (5.6)	14 (15.6)
Business and Commerce Technologies	369	209 (56.6)	12 (3.3)	24 (6.5)	3 (0.8)	14 (3.8)	54 (14.6)	53 (14.4)
Public Service-Related Technologies	254	110 (43.3)	13 (5.1)	18 (7.1)	6 (2.4)	31 (12.2)	23 (9.1)	53 (20.8)
Arts and Science Transfers	271	41 (15.1)	3 (1.1)	23 (8.5)	5 (1.8)	8 (3.0)	20 (7.4)	171 (63.1)
GRAND TOTAL	1,760	814 (46.3)	158 (9.0)	119 (6.8)	19 (1.1)	76 (4.3)	159 (9.0)	415 (23.5)

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1978

NRCIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others[1]
AGRICULTURE AND NATURAL RESOURCES	Total	839	196	143	68	31	23	88	64	226
Agriculture, general		68	10	2	6	-	1	4	2	33
Agronomy		68	16	15	7	1	-	4	1	24
Soils science		15	-	-	-	-	1	8	-	6
Animal science		154	29	26	11	1	-	20	24	44
Dairy science		53	21	4	-	1	1	1	1	4
Poultry science		1	-	-	-	-	-	-	-	1
Horticulture		101	32	19	2	5	2	8	5	28
Ornamental horticulture		60	31	11	-	1	-	-	2	3
Agricultural economics		26	6	5	1	-	1	3	1	9
Agricultural business		17	4	2	1	-	1	2	1	6
Food science & technology		38	10	8	1	1	-	3	2	10
Forestry		96	13	10	14	6	10	5	7	29
Natural resources management		113	10	14	15	2	6	23	10	33
Other		61	15	7	8	3	-	7	3	18
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	146	26	20	7	1	2	9	16	65
Architecture		78	14	14	3	1	1	3	7	35
Interior design		12	5	2	-	-	-	-	-	5
Landscape architecture		43	1	4	4	-	1	3	9	19
City, community and regional planning		12	6	-	-	-	-	1	-	5
AREA STUDIES	Total	65	6	4	6	11	2	4	16	16
Asian studies, general		5	-	-	-	1	-	1	1	2
East Asian studies		1	-	-	-	-	-	-	1	-
Southeast Asian studies		1	1	-	-	-	-	-	-	-
African studies		3	-	-	-	-	-	1	-	2
Islamic studies		1	-	-	-	-	-	-	-	1
Russian & Slavic studies		4	-	1	-	-	-	2	1	-
Latin American studies		3	-	-	1	1	-	-	-	1
Middle Eastern studies		1	1	-	-	-	-	-	-	-
American studies		43	2	3	5	9	2	2	12	8
Other		3	-	-	-	-	-	-	-	3
BIOLOGICAL SCIENCES	Total	2,435	218	131	166	72	43	246	878	683
Biology, general		2,027	193	111	151	61	36	215	750	508
Plant physiology		1	-	-	-	-	-	-	1	-
Pathology, human & animal		1	-	-	-	-	-	-	-	1
Microbiology		63	5	4	3	4	4	11	14	18
Biochemistry		90	4	6	3	-	1	3	27	36
Biophysics		9	-	-	1	-	-	1	4	3
Marine Biology		5	1	-	2	-	-	1	-	1
Biometrics & biostatistics		1	1	-	-	-	-	-	-	-
Entomology		6	-	1	-	-	1	3	-	1
Neurosciences		1	-	-	-	-	-	-	1	-
Biological/Life Sciences		95	4	1	2	2	-	2	20	64
Biophysics/Microbiology		15	-	-	1	1	-	1	1	11
Other		119	10	8	1	4	1	9	48	38
BUSINESS AND MANAGEMENT	Total	6,497	2,244	854	315	96	113	691	344	1,840
Business and commerce, general		728	210	73	50	18	19	33	29	277
Accounting		2,276	909	356	82	22	31	241	106	449
Business statistics		4	2	-	-	-	-	-	2	-
Banking and finance		348	80	38	18	9	8	62	36	97
Investment and securities		1	-	1	-	-	-	-	-	-
Business management and administration		1,781	653	227	87	25	35	168	90	500
Operations research		6	-	2	-	1	-	1	1	-
Hotel and restaurant management		28	5	1	-	-	-	2	1	19
Marketing and purchasing		657	180	98	13	13	11	95	29	198
Transportation and public utilities		77	15	16	7	1	2	12	1	23
Real estate		7	4	-	-	-	-	-	-	3
Insurance		55	17	4	3	-	3	2	4	22
International business		5	-	1	1	2	-	-	-	1
Secretarial studies		14	8	-	1	-	-	-	1	4
Personnel management		125	44	7	8	-	2	17	3	44
Labor and industrial relations		57	6	9	11	1	2	10	6	12
Business economics		110	15	10	8	3	-	17	21	36
Actuarial services		3	1	-	2	-	-	-	-	-
Other		203	35	10	4	1	-	12	4	135

[1]The "all others" category represents those not responding to the survey which should represent the difference between the number of respondents and the number of graduates.

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1978 (concluded)

HEGIS Degree Field		Total	Employed in Field Prepared For: In Pa.	Employed in Field Prepared For: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
COMMUNICATIONS	Total	742	305	78	77	28	40	91	48	175
Communications, general		216	64	24	20	12	2	23	20	51
Journalism		296	99	34	25	6	14	40	10	77
Radio/television		130	38	23	14	8	19	12	11	17
Advertising		54	11	3	4	2	2	7	-	25
Communication media		18	6	1	2	-	1	5	1	2
Other		29	4	3	4	-	2	4	6	1
COMPUTER AND INFORMATION SCIENCES	Total	377	156	82	9	5	1	18	21	85
Computer & information sciences, gen.		308	120	68	4	4	1	13	20	78
Information sciences & systems		10	1	1	4	1	-	-	-	3
Data processing		12	8	3	1	-	-	-	-	-
Computer programming		6	4	-	-	-	-	-	-	-
Systems analysis		22	14	7	-	-	-	1	-	1
Other		19	9	3	-	-	-	4	1	2
EDUCATION	Total	8,531	2,569	1,082	899	186	552	872	507	1,944
Education, general		139	43	11	16	2	10	29	24	22
Elementary education, general		2,526	704	292	226	55	176	261	104	644
Secondary education, general		200	48	22	15	5	8	24	20	58
Higher education, general		2	1	-	-	-	-	-	1	-
Special education, general		362	139	57	15	1	14	35	13	68
Education of the mentally retarded		600	241	110	36	9	27	60	22	80
Education of the gifted		3	-	1	-	-	-	1	1	-
Education of the visually handicapped		29	10	11	2	-	2	1	1	2
Speech correction		277	42	48	23	3	18	25	70	48
Education of the emotionally disturbed		91	44	23	13	1	-	4	-	6
Education of the physically handicapped		21	6	3	2	1	1	1	1	6
Educational psychology		3	-	1	-	-	1	-	1	-
Pre-elementary education		260	133	28	20	3	25	22	7	23
Student personnel		4	1	2	-	-	-	-	1	-
Educational administration		2	-	-	1	-	-	-	1	-
Reading education		12	2	1	-	-	1	-	1	-
Art education		306	90	17	96	9	25	61	9	79
Music education		565	133	100	55	12	32	33	29	171
Mathematics education		143	68	22	15	3	3	8	10	14
Science education		6	1	3	1	-	-	-	-	1
Physical education		940	191	72	102	33	117	116	67	244
Health education		30	15	1	4	1	1	4	4	6
Business, commerce and distributive education		196	70	15	48	5	3	7	7	41
Industrial arts, vocational and technological education		301	116	30	53	4	11	21	14	52
Social studies		26	5	2	4	3	3	1	1	6
Early childhood education		55	19	7	-	-	7	10	4	8
School psychology		1	-	-	1	-	-	-	-	-
Instructional media		2	-	-	-	-	-	1	1	-
Library science		10	4	2	-	-	2	-	1	1
Dental hygiene		2	1	-	-	-	-	-	1	1
Health, physical education and recreational education		53	10	1	8	-	5	2	3	24
Biology education		87	26	14	8	4	6	8	7	14
French		34	8	5	2	3	1	6	2	7
German		22	4	4	1	-	1	3	2	7
Spanish		53	19	4	7	2	2	9	5	7
All other foreign languages		10	5	-	2	-	-	-	1	2
English education		180	58	26	22	4	11	18	13	36
Earth and space science education		35	15	6	5	-	-	2	3	4
Chemistry education		17	9	2	3	-	1	-	1	1
Physics education		7	3	-	2	-	-	-	1	1
Social studies education		292	55	19	31	8	24	43	15	75
Speech and dramatic arts education		72	15	6	5	-	1	1	1	3
Art/Music therapy		3	1	-	1	-	-	-	1	1
Agriculture education		8	-	-	-	-	1	3	3	-
Home economics education		163	52	14	21	10	4	21	8	31
Nursing education		69	27	4	16	-	-	6	2	12
Other		341	93	12	33	5	16	27	26	129

Table 30.0

Employment Status by Degree Field for Baccalaureate Degree Recipients for All Institutions in Pennsylvania, 1978
(continued)

NSCG Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared In Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field In Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
ENGINEERING	Total	2,613	634	923	38	42	6	93	155	724
Engineering, general		56	21	30	1	-	-	2	2	38
Aerospace, aeronautical and astronautical engineering		27	4	21	1	2	-	-	-	9
Agricultural engineering		13	1	3	-	2	-	1	1	4
Architectural engineering		81	13	35	1	2	-	2	3	23
Bioengineering and biomedical engineering		5	2	1	-	-	-	-	2	-
Chemical engineering		313	58	140	2	2	-	7	21	83
Petroleum engineering		27	3	13	-	-	1	-	-	10
Civil, construction and transportation engineering		436	80	163	9	13	1	27	29	110
Electrical, electronics and communications engineering		479	110	163	4	8	-	12	35	138
Mechanical engineering		432	117	189	3	9	1	7	28	58
Industrial & management engineering		139	42	47	-	1	-	4	9	36
Metallurgical engineering		61	14	29	-	-	-	-	8	10
Materials engineering		16	-	2	-	-	-	3	3	8
Ceramic engineering		8	2	2	-	-	-	-	-	4
Mining and mineral engineering		42	16	13	2	1	-	2	-	28
Engineering physics		7	1	1	-	-	-	-	1	3
Nuclear engineering		40	9	11	1	1	-	2	2	13
Environmental and sanitary engineering		44	13	11	2	-	-	4	4	7
Engineering technology		324	103	84	7	-	1	14	6	111
Other		44	7	14	-	-	-	2	8	11
FINE AND APPLIED ARTS	Total	1,306	173	83	121	64	72	144	132	493
Fine arts, general		81	10	7	11	10	2	3	11	27
Art		303	56	26	54	22	28	30	40	211
Art history and appreciation		78	5	5	11	4	2	6	11	36
Music (performing, composition, theory)		124	16	10	7	2	10	11	35	33
Music (liberal arts program)		150	28	8	8	13	10	15	21	48
Music (musicology)		3	-	-	1	-	1	-	1	-
Dramatic arts		135	6	16	16	11	6	11	23	46
Dance		12	1	1	-	-	-	-	-	10
Applied design		135	36	6	11	1	11	21	3	46
Cinematography		21	-	-	-	1	2	6	1	11
Photography		4	1	-	1	-	-	1	1	-
Opera		3	-	-	-	-	-	1	1	-
Print making		3	-	-	-	-	1	1	1	-
Other		54	14	10	1	1	2	-	3	23
FOREIGN LANGUAGES	Total	304	48	33	48	49	8	46	77	175
Foreign languages, general		36	2	1	4	2	-	2	9	11
French		156	14	12	21	14	3	19	24	47
German		87	9	9	11	12	2	3	15	26
Italian		7	-	-	-	-	-	-	2	5
Spanish		169	21	10	28	17	3	16	21	53
Russian		36	1	-	3	2	-	1	2	18
Chinese		2	-	-	-	-	-	-	-	2
Japanese		4	-	-	1	-	-	-	-	3
Latin		6	-	1	-	-	-	-	1	4
Greek, classical		3	-	-	-	-	-	-	2	3
Hebrew		2	1	-	-	-	-	-	1	-
Other		4	-	-	-	-	-	-	-	4
HEALTH PROFESSIONS	Total	2,513	1,319	347	42	9	38	60	84	904
Health professions, general		15	1	5	1	-	-	-	1	7
Hospital and health care administration		86	16	5	4	3	3	20	5	30
Nursing		1,180	689	110	8	-	17	22	19	306
Dentistry		5	-	-	-	-	-	1	4	-
Dental specialties		1	-	-	-	-	-	-	1	-
Medicine		5	-	-	-	-	-	-	5	-
Medical specialties		6	1	1	-	-	-	-	-	4
Occupational therapy		35	20	4	8	-	-	-	1	2
Optometry		1	-	-	-	-	-	-	1	-
Osteopathic medicine		1	-	-	-	-	-	-	1	-
Pharmacy		342	93	43	-	1	3	3	10	189
Physical therapy		67	24	3	4	-	-	1	2	33
Dental hygiene		9	6	-	-	-	-	1	-	2
Public health		23	8	2	-	-	-	3	-	10
Medical record librarianship		15	7	4	-	-	-	-	1	3
Podiatry		2	-	-	-	-	-	-	2	-

Table 30.0

Employment Status by Degree for Baccalaureate
Degree Recipients for All Institutions in Pennsylvania, 1978
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
PUBLIC AFFAIRS AND SERVICES	Total	1,947	451	117	173	36	82	213	116	759
Community services, general		40	5	-	4	-	3	4	4	18
Public administration		46	10	-	10	3	1	4	1	17
Parks and recreation management		262	52	30	33	9	18	45	4	71
Social work and helping services		715	190	39	57	12	34	81	69	233
Law enforcement and corrections		609	130	32	50	11	23	57	23	283
International public service		30	3	-	1	1	1	3	10	11
Safety management		41	24	11	-	-	-	3	1	2
Other		204	37	5	18	-	2	14	4	124
SOCIAL SCIENCES	Total	4,945	575	302	486	271	105	453	939	1,814
Social sciences, general		338	51	14	29	17	16	45	23	143
Anthropology		138	5	13	10	11	3	10	24	62
Archaeology		10	-	1	-	-	-	-	3	6
Economics		894	1[illegible]	113	54	40	10	69	170	312
History		739	43	31	98	60	13	70	180	244
Geography		161	15	8	27	8	5	21	17	60
Political science and government		1,120	57	39	115	79	26	78	339	388
Sociology		900	152	51	123	37	27	92	105	313
Criminology		276	92	14	13	1	3	35	16	102
International relations		63	2	8	7	9	1	6	24	6
Afro-American studies		1	-	-	-	-	1	-	-	-
Urban studies		110	22	5	3	4	-	15	14	47
Sociology/anthropology		23	3	2	2	1	-	2	2	11
History/philosophy of science		1	-	-	-	-	-	-	1	-
Other		171	7	3	5	4	-	10	22	120
THEOLOGY	Total	190	23	28	29	20	4	10	51	26
Theological professions, general		76	14	5	7	9	3	4	25	9
Religious music		11	2	3	3	-	-	-	2	1
Biblical language		1	-	-	-	-	1	-	-	-
Religious education		44	5	12	9	6	-	5	6	1
Pastoral		24	2	6	4	2	-	-	5	5
Missions		7	-	2	2	1	-	1	-	1
Pre-seminary		13	-	-	2	1	-	-	5	7
Other		14	-	-	1	1	-	-	5	7
INTERDISCIPLINARY STUDIES	Total	564	101	46	48	30	21	69	79	170
General liberal arts		394	80	36	31	16	15	48	66	102
Biological and physical science		28	7	1	3	1	-	3	6	7
Humanities and social science		63	2	2	6	8	4	7	2	32
Engineering and other disciplines		4	-	-	-	1	-	-	1	2
Environmental studies		2	-	1	-	-	-	-	-	1
French studies		5	-	-	-	-	-	-	-	5
Classical studies		1	-	-	-	-	-	-	1	-
Growth and structure of cities		4	1	-	-	-	-	-	-	3
Other		63	11	6	8	4	2	11	3	18

Table 30.1

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State Colleges and University in Pennsylvania, 1978

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	52	3	3	7	2	1	19	1	16
Soils science		15	-	-	-	-	1	8	-	6
Natural resources management		19	2	1	3	1	-	8	-	4
Other		18	1	2	4	1	-	3	1	6
ARCHITECTURE & ENVIRONMENTAL DESIGN										
City, community and regional planning		12	6	-	-	-	-	1	-	5
AREA STUDIES	Total	4	-	-	-	-	-	-	-	4
African studies		2	-	-	-	-	-	-	-	2
Islamic studies		1	-	-	-	-	-	-	-	1
Russian & Slavic studies		1	-	-	-	-	-	-	-	1
BIOLOGICAL SCIENCES	Total	446	69	18	60	12	10	61	89	127
Biology, general		414	65	17	58	10	9	53	88	114
Marine biology		5	1	-	2	-	-	1	-	1
Other		27	3	1	-	2	1	7	1	12
BUSINESS & MANAGEMENT	Total	1,688	689	157	88	14	36	181	42	481
Business and commerce, general		38	9	8	1	1	3	2	2	12
Accounting		653	309	74	24	3	14	64	17	148
Banking and finance		43	12	2	-	-	1	5	1	22
Business management & admnr.		573	240	42	39	7	15	61	11	158
Operations research		6	-	3	-	1	-	1	1	-
Marketing & purchasing		214	64	19	13	1	1	29	6	81
Transportation & public utilities		2	2	-	-	-	-	-	-	-
Real estate		5	2	-	-	-	-	-	-	3
Secretarial studies		14	8	-	1	-	-	-	1	4
Personnel management		111	39	7	8	-	2	13	2	40
Business economics		17	1	-	2	1	-	4	1	8
Other		12	3	2	-	-	-	2	-	5
COMMUNICATIONS	Total	181	55	17	20	4	5	13	14	53
Communications, general		56	16	4	12	3	1	2	8	10
Journalism		75	30	10	-	1	1	6	-	27
Radio/television		40	8	3	5	-	3	3	3	15
Other		10	1	-	3	-	-	2	3	1
COMPUTER & INFORMATION SCIENCES	Total	122	72	29	1	1	-	5	2	12
Computer & information sciences, general		65	37	17	1	1	-	-	1	8
Data processing		10	8	2	-	-	-	-	-	-
Computer programming		6	4	-	-	-	-	1	-	1
Systems analysis		22	14	7	-	-	-	-	-	1
Other		19	9	3	-	-	-	4	1	2
EDUCATION	Total	5,641	1,814	699	697	104	358	541	271	1,157
Education, general		119	39	11	16	2	10	8	17	16
Elementary education, general		1,584	498	178	162	28	117	171	55	375
Special education, general		232	101	45	7	1	5	12	6	55
Education of the mentally retarded		494	223	103	33	8	17	40	16	54
Education of the visually handicapped		27	10	11	2	-	2	-	-	2
Speech correction		195	35	41	19	2	2	10	50	26
Education of the emotionally disturbed		91	44	23	13	1	-	4	-	6
Education of the physically handicapped		21	6	3	2	1	1	1	1	6
Pre-elementary education		157	83	17	14	2	12	16	3	10
Art education		216	38	13	46	5	14	40	5	55
Music education		276	77	53	33	3	7	16	13	74
Mathematics education		109	46	18	12	2	2	7	8	14
Science education		6	1	3	1	-	-	-	-	1
Physical education		808	175	65	91	29	98	93	46	211
Health education		33	12	1	4	1	1	4	4	6
Business, commerce and distributive education		118	44	10	37	2	1	1	1	22
Industrial arts, vocational and technical education		195	75	26	50	2	7	15	2	18
Social studies		23	5	1	4	3	2	1	1	6
Library science		10	4	2	-	-	2	-	1	1

Table 30.1

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State Colleges and University in Pennsylvania, 1978
(continued)

NBGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
EDUCATION (continued)	Total									
Dental hygiene		2	1	-	-	-	-	-	-	1
Biology education		63	21	13	6	1	3	7	2	10
French		19	6	3	2	-	-	4	-	3
German		16	3	2	1	-	1	3	-	6
Spanish		32	16	1	4	1	2	6	-	2
All other foreign language education		8	5	-	1	-	-	-	-	2
English education		121	39	11	17	2	11	12	7	22
Earth & space science education		31	13	4	5	-	-	2	3	4
Chemistry education		11	6	2	2	-	-	-	-	1
Physics education		6	3	-	1	-	-	-	1	1
Social studies education		255	51	12	48	5	24	38	12	65
Speech & dramatic arts education		32	15	6	5	-	1	1	1	3
Home economics education		121	40	8	20	2	-	12	7	30
Nursing education		69	27	6	16	-	-	6	2	12
Other		141	52	7	23	1	3	11	7	37
FINE & APPLIED ARTS	Total	394	69	14	52	13	16	56	27	147
Fine arts, general		5	-	1	-	-	-	-	-	4
Art (painting, drawing, sculpture)		225	27	6	34	10	10	34	12	92
Art history & appreciation		13	3	-	3	2	-	1	1	3
Music (performing, composition, theory)		13	3	-	1	-	-	-	8	1
Music (liberal arts program)		39	9	1	3	1	1	5	4	15
Music (musicology)		1	-	-	1	-	-	-	-	-
Dramatic arts		23	3	3	3	-	-	5	2	7
Applied design		72	24	3	6	-	5	11	-	23
Other		3	-	-	1	-	-	-	-	2
FOREIGN LANGUAGES	Total	105	16	5	29	6	-	10	7	32
Foreign languages, general		1	-	-	-	-	-	-	-	1
French		30	6	1	8	1	-	2	3	9
German		25	4	1	9	3	-	1	1	6
Spanish		43	6	3	10	2	-	7	2	13
Russian		5	-	-	2	-	-	-	-	3
Latin		1	-	-	-	-	-	-	1	-
HEALTH PROFESSIONS	Total	421	222	32	7	3	4	9	15	129
Nursing		216	133	16	2	-	2	1	2	60
Dentistry		2	-	-	-	-	-	-	2	-
Dental specialties		1	-	-	-	-	-	-	1	-
Medical specialties		6	1	1	-	-	-	-	-	4
Physical therapy		1	-	-	-	-	-	-	1	-
Dental hygiene		8	5	-	-	-	-	1	-	2
Public health		23	8	2	-	-	-	3	-	10
Podiatry		1	-	-	-	-	-	-	1	-
Speech pathology & audio.		50	31	2	4	3	1	2	6	11
Medical lab. technologies		85	41	8	1	-	1	2	1	31
Inhalation therapy		19	5	2	-	-	-	-	1	11
Other		9	8	1	-	-	-	-	-	-
HOME ECONOMICS	Total	283	103	20	5	-	-	15	24	126
Home economics, general		142	52	13	-	-	-	13	4	60
Clothing and textiles		26	11	1	3	-	-	2	-	9
Family relations and child development		8	3	-	1	-	-	-	1	3
Foods and nutrition		95	28	5	1	-	-	-	18	43
Institutional & cafeteria management		22	9	1	-	-	-	-	1	11
LETTERS	Total	268	36	7	43	8	8	40	26	100
English, general		178	27	5	23	8	6	28	17	64
Literature, English		24	5	-	1	-	-	2	1	15
Speech, debate & forensic science		24	4	2	5	-	1	3	4	5
Creative writing		1	-	-	-	-	-	1	-	-
Philosophy		23	-	-	11	-	-	2	4	6
Other		18	-	-	3	-	1	4	-	10

Table 30.1

Employment Status by Degree Field for Baccalaureate Degree Recipients for the State Colleges and University in Pennsylvania, 1978 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
LIBRARY SCIENCE										
Library science, general		92	40	21	5	1	4	12	5	4
MATHEMATICS	Total	118	40	18	13	2	3	4	11	27
Mathematics, general		117	40	17	13	2	3	4	11	27
Applied mathematics		1	-	1	-	-	-	-	-	-
PHYSICAL SCIENCES	Total	224	41	26	22	5	4	10	62	54
Physical sciences, general		4	-	-	-	-	-	-	-	4
Physics, general		38	6	-	4	-	-	2	16	10
Chemistry, general		94	21	14	5	1	1	2	29	21
Geology		42	7	7	4	2	2	1	7	12
Earth sciences, general		45	7	5	9	2	1	4	10	7
Other		1	-	-	-	-	-	1	-	-
PSYCHOLOGY	Total	417	111	15	69	16	15	65	48	178
Psychology, general		406	106	15	68	16	14	63	47	167
Social psychology		11	5	-	1	-	1	2	1	11
PUBLIC AFFAIRS AND SERVICES	Total	664	188	48	83	17	22	80	20	206
Public administration		9	1	-	3	1	-	2	-	2
Parks and recreation management		119	22	14	21	6	6	18	3	29
Social work and helping services		251	91	12	34	6	7	36	13	52
Law enforcement & corrections		244	50	11	25	4	9	21	3	121
Safety management		41	24	11	-	-	-	3	1	2
SOCIAL SCIENCES	Total	1,364	255	74	180	40	28	164	118	485
Social sciences, general		92	14	4	8	3	4	17	4	38
Anthropology		16	2	1	3	-	1	1	2	6
Economics		195	54	27	13	7	4	25	16	49
History		118	11	2	22	6	2	13	10	52
Geography		93	12	7	23	5	3	11	9	23
Political science & govt.		243	31	6	39	13	6	27	44	77
Sociology		340	64	13	63	5	7	42	21	125
Criminology		162	41	10	4	-	1	13	6	87
International relations		6	-	1	1	-	-	1	2	1
Urban studies		45	18	1	1	-	-	10	1	14
Sociology/Anthropology		23	3	2	2	1	-	2	2	11
Other		11	5	-	1	-	-	2	1	2
INTERDISCIPLINARY STUDIES	Total	97	15	7	12	5	3	23	3	29
General liberal arts & sci.		24	5	1	2	-	-	9	-	7
Biological & physical sci.		20	5	1	2	-	-	3	3	6
Humanities & social sci.		18	-	-	4	1	2	3	-	8
Environmental studies		2	-	1	-	-	-	-	-	1
Other		33	5	4	4	4	1	8	-	7

Table 30.2

Employment Status by Degree Field for Baccalaureate Degree Recipients for State-Related Institutions in Pennsylvania, 1978

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	580	97	62	53	13	22	67	58	208
Agriculture, general		48	10	2	6	-	1	4	2	23
Agronomy		44	4	7	5	1	-	4	2	21
Animal science		102	8	3	7	-	-	18	23	43
Dairy science		12	4	1	-	1	1	1	1	3
Poultry science		1	-	-	-	-	-	-	-	1
Horticulture		72	21	7	1	2	2	8	5	26
Agricultural economics		26	6	5	1	-	1	3	1	9
Agricultural business		17	4	2	1	-	1	2	1	6
Food science & technology		25	5	7	-	-	-	3	4	6
Forestry		96	13	10	16	6	10	5	7	29
Natural resources management		94	8	13	12	1	6	15	10	29
Other		43	14	5	4	2	-	4	2	12
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	89	10	11	7	1	2	7	12	39
Architecture		46	9	7	3	1	1	2	3	20
Landscape architecture		43	1	4	4	-	1	5	9	19
AREA STUDIES	Total	19	1	1	2	2	1	3	2	7
Asian studies, general		4	-	-	-	1	-	1	-	2
African studies		1	-	-	-	-	-	1	-	-
Latin American studies		3	-	-	1	1	-	-	-	1
American studies		11	1	1	1	-	1	1	2	4
BIOLOGICAL SCIENCES	Total	667	29	17	33	19	17	72	192	288
Biology, general		427	17	11	24	12	11	56	138	158
Microbiology		64	5	4	2	4	4	11	14	20
Biochemistry		45	2	-	2	-	1	-	12	28
Biophysics		8	-	-	1	-	-	1	4	2
Entomology		6	-	1	-	-	1	3	-	1
Biological/Life science		95	4	1	2	2	-	-	20	66
Biophysics/Microbiology		15	-	-	1	1	-	1	1	11
Other		7	1	-	1	-	-	-	3	2
BUSINESS & MANAGEMENT	Total	1,757	473	199	129	26	44	214	110	562
Business & commerce, general		400	102	23	22	1	5	37	11	199
Accounting		446	160	59	32	3	10	51	37	94
Business statistics		2	1	-	-	-	-	-	1	-
Banking and finance		157	35	6	12	4	6	28	16	50
Business management and administration		241	67	29	21	6	8	31	18	61
Marketing and purchasing		279	62	46	19	9	9	39	13	82
Transportation and public utilities		70	9	16	7	1	2	11	1	23
Real estate		2	2	-	-	-	-	-	-	-
Insurance		55	17	4	3	-	3	2	4	22
Labor & industrial relations		48	5	9	3	1	1	9	6	12
Business economics		18	3	2	2	-	-	-	3	8
Actuarial services		3	1	-	2	-	-	-	-	-
Other		36	9	5	4	1	-	6	-	11
COMMUNICATIONS	Total	304	70	40	24	9	29	43	19	70
Communications, general		7	2	1	-	-	-	-	1	3
Journalism		168	44	19	13	1	12	28	10	41
Radio/television		73	11	17	7	6	15	8	8	1
Advertising		56	13	3	4	2	2	7	-	25
COMPUTER AND INFORMATION SCIENCES	Total	158	38	35	4	3	-	6	11	61
Computer and information sciences, general		152	38	35	2	2	-	6	11	58
Information sciences and systems		6	-	-	2	1	-	-	-	3

Table 30.2

Employment Status by Degree Field for Baccalaureate
Degree Recipients for State-Related Institutions in Pennsylvania, 1978
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
EDUCATION	Total	1,340	279	78	78	25	118	180	132	450
Elementary education, general		397	68	28	19	8	40	47	22	165
Secondary education, general		145	27	6	10	2	6	21	16	57
Education of the mentally retarded		106	38	7	3	1	5	20	6	26
Education of the gifted		3	-	1	-	-	-	1	1	-
Education of the visually handicapped		2	-	-	-	-	-	1	1	-
Speech correction		54	2	4	1	1	3	15	11	17
Student personnel		4	1	2	-	-	-	-	1	-
Educational administration		1	-	-	1	-	-	-	1	-
Reading education		12	2	1	-	-	1	-	1	7
Art education		48	5	2	4	2	6	12	3	14
Music education		55	7	4	5	1	11	5	8	14
Mathematics education		7	2	-	3	-	1	-	1	-
Physical education		127	15	7	10	4	19	20	21	31
Health education		3	3	-	-	-	-	-	-	-
Business, commerce and distributive education		38	12	3	5	-	2	5	11	
Industrial arts, vocational & tech. education		106	41	4	3	2	4	6	12	34
Social studies		1	-	1	-	-	-	-	-	-
Early childhood education		55	19	7	-	-	7	10	4	8
School psychology		1	-	-	1	-	-	-	-	-
Instructional media		2	-	-	-	-	-	1	1	-
Health, physical education and recreational education		53	10	1	8	-	5	2	3	24
Agricultural education		7	-	-	-	-	1	3	3	-
Other		112	27	-	5	4	9	14	11	42
ENGINEERING	Total	1,449	317	412	34	17	4	48	48	569
Engineering, general		1	1	-	-	-	-	-	-	-
Aerospace, aeronautical & astronautical engineering		27	4	11	1	2	-	-	-	9
Agricultural engineering		13	1	2	-	2	-	2	2	4
Architectural engineering		81	13	35	1	2	-	4	3	23
Metallurgical engineering		10	2	1	-	-	-	-	1	6
Bioengineering & biomedical eng.		4	2	1	-	-	-	-	1	-
Chemical engineering		152	24	46	1	2	-	1	3	75
Petroleum engineering		27	3	13	-	-	1	-	-	10
Civil, construction & transportation engineering		232	50	63	9	4	1	11	6	88
Electrical, electronics & communications engineering		257	56	72	6	-	-	3	5	115
Mechanical engineering		206	55	51	3	2	1	1	11	82
Industrial & management engineering		66	17	19	-	-	-	1	-	29
Materials engineering		11	-	1	-	-	-	3	1	6
Ceramic engineering		8	2	2	-	-	-	-	-	4
Mining & mineral engineering		62	16	13	2	1	-	2	-	28
Nuclear engineering		40	9	11	1	2	-	2	2	13
Environment & sanitary engineering		44	13	11	5	-	-	4	4	7
Engineering technologies		178	45	49	5	-	1	14	3	61
Other		30	4	11	-	-	-	-	6	9
FINE AND APPLIED ARTS	Total	296	15	13	21	7	34	48	32	126
Fine arts, general		1	-	-	-	-	-	1	-	-
Art		130	7	4	7	2	13	25	10	62
Art history and appreciation		39	1	2	5	-	2	2	4	23
Music (performing, composition, theory)		15	-	1	2	-	1	3	3	5
Music (liberal arts program)		16	1	-	-	1	3	-	4	7
Music (musicology)		2	-	-	-	-	1	-	1	-
Dramatic arts		42	2	6	3	2	4	6	5	14
Applied design		20	4	-	4	1	5	3	1	2
Cinematography		21	-	-	-	1	2	6	1	11
Opera		3	-	-	-	-	1	1	1	-
Print making		3	-	-	-	-	1	1	1	-
Others		4	-	-	-	-	1	-	1	2
FOREIGN LANGUAGES	Total	117	6	5	6	4	3	13	18	60
French		38	2	2	5	-	2	6	4	17
German		25	1	2	-	3	1	2	5	11
Italian		6	-	-	-	-	-	-	2	4
Spanish		34	1	1	1	1	2	5	6	17
Russian		9	1	-	-	-	-	-	-	8
Chinese		2	-	-	-	-	-	-	-	2
Hebrew		2	1	-	-	-	-	-	1	-
Other		1	-	-	-	-	-	-	-	-

Table 30.2

Employment Status by Degree Field for Baccalaureate
Degree Recipients for State-Related Institutions in Pennsylvania, 1978
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
HEALTH PROFESSIONS	Total	709	242	39	27	3	8	28	20	342
Hospital and health care administration		78	14	5	4	3	2	20	5	25
Nursing		256	96	16	3	-	5	1	1	134
Dentistry		2	-	-	-	-	-	1	1	-
Occupational therapy		17	9	-	7	-	-	-	1	-
Pharmacy		95	14	7	-	-	-	1	3	70
Physical therapy		65	26	3	4	-	-	2	-	30
Medical record librarianship		1	1	-	-	-	-	-	-	-
Medical lab. technologies		86	48	1	2	-	-	-	1	34
Child care development		32	9	2	2	-	-	1	-	18
Health records administration		41	15	3	5	-	-	-	2	16
Health-related professions		30	10	2	-	-	-	-	3	15
Other		6	-	-	-	-	1	2	3	-
HOME ECONOMICS	Total	304	62	34	19	2	14	40	24	109
Family relations and child development		174	42	4	14	1	11	30	7	65
Foods and nutrition		64	10	8	5	-	3	4	15	19
Institutional management and cafeteria management		66	10	22	-	1	-	6	2	25
LAW										
Law, general		3	1	-	-	-	-	1	1	-
LETTERS	Total	476	34	20	38	14	23	54	58	233
English, general		140	9	7	9	5	13	27	19	51
Literature, English		59	1	-	6	1	1	2	6	42
Comparative literature		2	-	-	-	-	-	-	1	1
Classics		4	-	-	-	-	-	-	-	4
Linguistics		11	-	-	-	-	-	1	3	7
Speech, debate & forensic science		101	15	8	9	2	7	19	15	26
Philosophy		36	1	2	2	2	-	1	5	23
Religious studies		12	-	1	1	2	1	2	3	2
Other		111	8	2	11	2	3	2	6	77
LIBRARY SCIENCE										
Library science, general		1	-	-	1	-	-	-	-	-
MATHEMATICS	Total	100	7	9	4	1	-	7	13	59
Mathematics, general		94	7	9	3	1	-	6	12	56
Applied mathematics		6	-	-	1	-	-	1	1	3
PHYSICAL SCIENCES	Total	486	38	58	10	13	14	36	118	199
Physical sciences, general		2	-	-	-	-	-	-	1	1
Physics, general		30	2	6	-	1	-	3	7	11
Chemistry, general		149	20	11	3	1	3	3	32	76
Astronomy		4	-	2	-	1	-	1	-	-
Atmospheric sciences and meteorology		54	1	10	-	2	3	7	12	19
Geology		42	3	11	1	1	4	3	4	15
Earth sciences, general		22	2	3	2	-	1	7	2	5
Metallurgy		19	5	4	-	1	-	-	1	8
Earth, planning science		10	-	-	1	-	-	-	-	9
Other		154	5	11	3	6	3	12	59	55
PUBLIC AFFAIRS AND SERVICES	Total	912	184	38	69	11	46	111	58	395
Community services, general		39	5	-	4	-	3	6	3	18
Public administration		20	2	-	7	-	-	-	1	10
Parks & recreation management		122	24	12	10	3	12	23	-	38
Social work & helping services		275	62	13	11	1	17	34	27	110
Law enforcement & corrections		223	51	8	18	6	11	31	14	84
International public service		29	3	-	1	1	1	3	9	11
Other		204	37	5	18	-	2	14	4	124
PSYCHOLOGY	Total	530	37	23	42	18	13	42	64	291
Psychology, general		528	36	23	42	18	13	42	63	291
Experimental psychology		2	1	-	-	-	-	-	1	-

Table 30.2

Employment Status by Degree Field for Baccalaureate Degree Recipients for State-Related Institutions in Pennsylvania, 1978 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
SOCIAL SCIENCES	Total	1,201	58	56	91	32	45	106	174	639
Social sciences, general		135	12	4	9	-	6	18	11	75
Anthropology		58	1	3	5	2	2	4	5	36
Economics		254	17	6	19	3	3	8	25	173
History		151	2	9	14	5	8	27	30	56
Geography		58	3	1	2	2	2	10	5	33
Political science and government		302	5	15	20	15	13	17	60	157
Sociology		161	15	14	16	3	10	18	17	68
Afro-American		1	-	-	-	-	1	-	-	-
Urban studies		51	3	3	2	2	-	3	6	32
History/Philosophy of Sci.		1	-	-	-	-	-	-	1	-
Other		29	-	1	4	-	-	1	14	9
INTERDISCIPLINARY STUDIES	Total	277	25	32	20	7	13	34	53	93
General liberal arts and sciences		268	24	31	19	6	13	34	53	88
Biological & physical sciences		2	1	-	-	1	-	-	-	-
Other		7	-	1	1	-	-	-	-	5

Table 30.3

Employment Status by Degree Field for Baccalaureate Degree Recipients for State-Aided Institutions in Pennsylvania, 1978

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	207	96	78	8	6	-	2	5	12
Agronomy		24	12	8	2	-	-	-	1	1
Animal science		52	20	23	4	1	-	2	1	1
Dairy science		21	17	3	-	-	-	-	-	1
Horticulture		29	11	12	1	3	-	-	-	2
Ornamental horticulture		68	31	31	-	1	-	-	2	3
Food science & technology		13	5	1	1	1	-	-	1	4
BIOLOGICAL SCIENCES										
Biology, general		28	6	6	1	2	-	2	9	2
BUSINESS AND MANAGEMENT										
Business management and administration		37	23	6	-	4	-	2	1	1
HEALTH PROFESSIONS	Total	126	91	28	2	1	-	-	3	1
Nursing		65	51	12	-	-	-	-	2	-
Medical lab. technologies		31	24	7	-	-	-	-	-	-
Radiologic technologies		18	12	2	1	1	-	-	1	1
Other		12	4	7	1	-	-	-	-	-
PHYSICAL SCIENCES										
Chemistry, general		7	3	-	-	-	-	-	2	2

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for Private Institutions in Pennsylvania, 1978

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	45	10	9	-	-	-	1	4	21
Architecture		33	5	7	-	-	-	1	4	16
Interior design		12	5	2	-	-	-	-	-	5
AREA STUDIES	Total	42	3	3	4	9	1	1	14	7
Asian studies, general		1	-	-	-	-	-	-	1	-
East Asian studies		1	-	-	-	-	-	-	1	-
Southeast Asian studies		1	1	-	-	-	-	-	-	-
Russian and Slavic studies		3	-	1	-	-	-	-	2	-
Middle Eastern studies		1	1	-	-	-	-	-	-	-
American studies		32	1	2	4	9	1	1	10	4
Other		3	-	-	-	-	-	-	-	3
BIOLOGICAL SCIENCES	Total	1,294	114	90	72	39	16	111	586	266
Biology, general		1,158	105	77	70	37	16	104	515	234
Plant physiology		1	-	-	-	-	-	-	1	-
Pathology, human and animal		1	-	-	-	-	-	-	-	1
Microbiology		1	-	-	1	-	-	-	-	-
Biochemistry		45	2	6	1	-	-	5	25	6
Biophysics		1	-	-	-	-	-	-	-	1
Biometrics and biostatistics		1	1	-	-	-	-	-	-	-
Neurosciences		1	-	-	-	-	-	-	1	-
Other		85	6	7	-	2	-	2	44	24
BUSINESS AND MANAGEMENT	Total	3,015	1,059	492	98	52	33	294	191	796
Business and commerce, general		290	99	42	27	16	11	13	16	66
Accounting		1,177	500	223	26	16	7	126	52	227
Business statistics		2	1	-	-	-	-	-	1	-
Banking and finance		148	33	30	6	5	1	29	19	25
Investment and securities		1	-	1	-	-	-	-	-	-
Business management and administration		942	323	150	27	8	12	74	68	280
Hotel and restaurant management		28	5	1	-	-	-	2	1	19
Marketing and purchasing		164	54	33	1	3	1	27	10	35
Transporation and public utilities		5	4	-	-	-	-	1	-	-
International business		5	-	1	1	2	-	-	-	1
Personnel management		14	5	-	-	-	-	4	1	4
Labor and industrial relations		9	1	-	6	-	1	1	-	-
Business economics		75	11	8	4	2	-	13	17	20
Other		155	23	3	-	-	-	4	6	119
COMMUNICATIONS	Total	257	80	21	33	15	6	35	15	52
Communications, general		153	46	9	16	9	1	21	11	40
Journalism		53	16	5	12	4	1	6	-	9
Radio/television		17	7	3	2	2	1	1	-	1
Communication media		18	6	1	2	-	1	5	1	2
Other		16	5	3	1	-	2	2	3	-
COMPUTER AND INFORMATION SCIENCES	Total	97	46	18	4	1	1	7	8	12
Computer and information sciences, general		91	45	16	1	1	1	7	8	12
Information sciences and systems		4	1	1	2	-	-	-	-	-
Data processing		2	-	1	1	-	-	-	-	-
EDUCATION	Total	1,550	476	275	124	57	76	151	104	337
Education, general		40	6	-	-	-	-	21	7	6
Elementary education, general		543	198	86	45	19	19	43	27	106
Secondary education, general		55	21	16	5	3	2	3	4	1
Higher education, general		2	1	-	-	-	-	-	1	-
Special education, general		110	38	12	8	-	9	23	7	13
Speech correction		28	5	3	3	-	3	-	9	5
Educational psychology		3	-	1	-	-	1	-	1	-
Pre-elementary education		103	49	11	6	1	13	6	4	13
Art education		42	7	2	6	2	5	9	1	10
Music education		234	49	43	17	8	14	12	8	83
Mathematics education		27	20	4	-	1	-	1	1	-
Physical education		5	1	-	1	-	-	1	-	2

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for Private Institutions in Pennsylvania, 1978 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
EDUCATION (continued)										
Business, commerce and distributive education		40	14	2	6	3	2	4	1	8
Biology education		24	5	3	2	3	1	1	5	4
French		15	2	2	-	3	-	2	2	4
German		6	1	2	-	-	-	-	2	1
Spanish		21	3	3	3	1	-	3	3	5
All other foreign language education		2	-	-	1	-	-	-	1	-
English education		68	20	15	5	2	-	6	6	14
Earth and space science education		4	2	2	-	-	-	-	-	-
Chemistry education		6	3	-	1	-	1	-	1	-
Physics education		1	-	-	1	-	-	-	-	-
Social studies education		37	4	7	5	3	-	5	3	10
Art therapy		3	1	-	1	-	-	-	-	1
Agricultural education		1	-	-	-	-	-	-	1	-
Home economics education		42	12	6	3	8	2	9	1	1
Other		88	14	5	5	-	4	2	8	50
ENGINEERING	Total	1,164	317	511	4	25	-	45	107	155
Engineering, general		55	20	10	1	-	-	3	3	18
Bioengineering and biomedical engineering		1	-	-	-	-	-	-	1	-
Chemical engineering		160	34	94	1	-	-	6	18	7
Civil, construction and transportation engineering		204	39	100	-	9	-	16	18	22
Electrical, electronics and communications engineering		222	63	91	-	8	-	9	27	24
Mechanical engineering		226	62	118	-	7	-	6	17	16
Industrial and management engineering		73	25	28	-	1	-	3	9	7
Metallurgical engineering		51	12	28	-	-	-	-	7	4
Materials engineering		5	-	1	-	-	-	-	2	2
Engineering physics		7	1	1	-	-	-	-	2	3
Engineering technology		146	58	35	2	-	-	-	1	50
Other		14	3	5	-	-	-	2	2	2
FINE AND APPLIED ARTS	Total	616	89	58	48	44	22	40	93	222
Fine arts, general		75	10	6	11	10	2	2	11	23
Art		148	22	14	13	10	3	11	18	57
Art history and appreciation		26	1	3	3	2	-	1	6	10
Music		96	13	9	4	2	9	8	24	27
Music (liberal arts program)		95	18	7	5	10	6	10	13	26
Dramatic arts		70	1	7	10	9	-	-	16	27
Dance		12	1	1	-	-	-	-	-	10
Applied design		43	8	1	1	-	1	7	2	23
Photography		4	1	-	1	-	-	1	1	-
Other		47	14	10	-	1	1	-	2	19
FOREIGN LANGUAGES	Total	282	26	23	33	39	3	23	52	83
Foreign languages, general		35	2	1	4	2	-	7	9	10
French		88	6	9	8	15	1	11	17	21
German		37	4	6	2	6	1	-	9	9
Italian		1	-	-	-	-	-	-	-	1
Spanish		92	14	6	18	14	1	4	13	22
Russian		12	-	-	-	2	-	1	2	7
Japanese		4	-	-	1	-	-	-	-	3
Latin		5	-	1	-	-	-	-	-	4
Greek, classical		5	-	-	-	-	-	-	2	3
Other		3	-	-	-	-	-	-	-	3
HEALTH PROFESSIONS	Total	1,257	564	148	6	2	16	23	46	452
Health professions, general		15	1	5	1	-	-	-	1	7
Hospital and health care administration		8	2	-	-	-	1	-	-	5
Nursing		643	409	75	3	-	10	20	14	112
Dentistry		1	-	-	-	-	-	-	1	-
Medicine		5	-	-	-	-	-	-	5	-
Occupational therapy		18	11	4	1	-	-	-	-	2
Optometry		1	-	-	-	-	-	-	1	-
Osteopathic medicine		1	-	-	-	-	-	-	1	-
Pharmacy		247	79	36	-	1	3	2	7	119
Physical therapy		1	-	-	-	-	-	-	1	-
Dental hygiene		1	1	-	-	-	-	-	-	-
Medical record librarianship		14	6	4	-	-	-	-	1	3

Table 30.4

Employment Status by Degree Field for Baccalaureate Degree Recipients for Private Institutions in Pennsylvania, 1978
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
HEALTH PROFESSIONS (continued)										
Podiatry		1	-	-	-	-	-	-	1	-
Veterinary medicine		1	-	-	-	-	-	-	1	-
Speech pathology and audio.		8	4	-	1	1	-	-	2	-
Medical laboratory technologies		100	47	19	-	-	2	-	8	24
Radiologic technologies		1	-	-	-	-	-	-	-	1
Other		191	4	5	-	-	-	1	2	179
HOME ECONOMICS	Total	121	41	26	5	4	4	13	14	14
Home economics, general		31	11	6	3	2	2	5	2	-
Clothing and textiles		2	-	-	1	-	-	1	-	-
Consumer economics and home management		22	6	3	-	1	1	1	-	10
Family relations and child development		5	3	-	-	-	-	1	1	-
Foods and nutrition		51	14	17	-	1	-	5	10	4
Institutional management		1	-	-	-	-	1	-	-	-
Other		9	7	-	1	-	-	-	1	-
LAW	Total	19	-	-	7	5	2	-	5	-
Law, general		5	-	-	-	-	-	-	5	-
Other		14	-	-	7	5	2	-	-	-
LETTERS	Total	832	92	84	87	66	18	58	188	239
English, general		434	60	50	35	31	11	45	95	107
Literature, English		62	2	4	3	3	-	2	12	36
Classics		12	1	-	2	2	-	-	2	5
Linguistics		3	-	-	-	1	-	1	1	-
Speech, debate and forensic science		19	4	3	1	1	2	2	2	4
Creative writing		9	1	-	2	-	-	-	3	3
Philosophy		90	1	2	8	10	-	4	35	30
Religious studies		186	19	19	35	18	5	4	37	49
Other		17	4	6	1	-	-	-	1	5
LIBRARY SCIENCE										
Library science, general		10	2	1	2	-	1	-	3	1
MATHEMATICS	Total	291	82	87	13	13	2	14	51	29
Mathematics, general		243	65	67	10	13	2	14	45	27
Statistics, mathematical and theoretical		2	2	-	-	-	-	-	-	-
Applied mathematics		36	10	18	-	-	-	-	6	2
Other		10	5	2	3	-	-	-	-	-
PHYSICAL SCIENCES	Total	644	84	87	21	22	3	26	293	108
Physical sciences, general		20	3	-	1	-	-	-	12	4
Physics, general		100	17	17	3	7	-	4	31	21
Chemistry, general		399	54	48	12	8	3	16	200	58
Organic chemistry		2	1	-	-	-	-	-	-	1
Pharmaceutical chemistry		1	1	-	-	-	-	-	-	-
Astronomy		1	-	-	-	-	-	-	-	1
Astrophysics		2	-	-	-	-	-	-	1	1
Geology		115	7	22	5	7	-	6	48	20
Oceanography		1	-	-	-	-	-	-	1	-
Other		3	1	-	-	-	-	-	-	2
PSYCHOLOGY	Total	841	148	52	80	75	14	72	188	212
Psychology, general		786	129	50	75	73	14	70	173	202
Experimental psychology		17	1	-	1	-	-	-	5	10
Clinical psychology		1	-	-	-	-	-	-	1	-
Psychology for counseling		2	1	-	-	-	-	-	1	-
Social psychology		1	1	-	-	-	-	-	-	-
Other		34	16	2	4	2	-	2	8	-
PUBLIC AFFAIRS AND SERVICES	Total	371	79	31	21	8	14	22	38	158
Community services, general		1	-	-	-	-	-	-	1	-
Public administration		17	7	-	-	2	1	2	-	5
Parks and recreation management		21	6	4	2	-	-	4	1	4
Social work and helping services		189	37	14	12	5	10	11	29	71
Law enforcement and corrections		142	29	13	7	1	3	5	6	78
International public service		1	-	-	-	-	-	-	1	-

Table 30.4

Employment Status by Degree Field for Baccalaureate
Degree Recipients for Private Institutions in Pennsylvania, 1970
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
SOCIAL SCIENCES	Total	2,400	282	172	215	199	32	183	647	690
Social sciences, general		111	25	6	12	14	6	10	8	30
Anthropology		64	2	9	2	9	-	5	17	20
Archaeology		10	-	1	-	-	-	-	3	6
Economics		445	55	80	22	38	1	36	129	90
History		470	50	20	62	40	3	30	140	136
Geography		10	-	-	2	1	-	-	3	4
Political science and government		575	21	18	56	91	7	36	234	154
Sociology		398	73	24	44	20	10	32	67	120
Criminology		114	51	4	9	1	2	22	10	15
International relations		57	2	7	6	9	1	5	22	5
Urban studies		14	1	1	-	2	-	2	7	1
Other		131	2	2	-	4	-	7	7	109
THEOLOGY	Total	190	23	28	28	20	4	10	51	26
Theological professions, general		76	14	5	7	9	3	4	25	9
Religious music		11	2	3	3	-	-	-	2	1
Biblical languages		1	-	-	-	-	1	-	-	-
Religious education		44	5	12	9	6	-	3	6	1
Pastoral studies		24	2	6	4	7	-	-	5	5
Mission		7	-	2	2	1	-	1	-	1
Pre-seminary		13	-	-	2	1	-	-	8	2
Other		14	-	-	1	1	-	-	5	7
INTERDISCIPLINARY STUDIES	Total	190	61	7	16	18	5	12	23	48
General liberal arts and science		102	51	4	10	10	2	5	13	7
Biological and physical science		6	1	-	1	-	-	-	3	1
Humanities and social science		45	2	2	2	7	2	4	2	24
Engineering and other disciplines		4	-	-	-	1	-	-	1	2
French studies		5	-	-	-	-	-	-	-	5
Classical studies		1	-	-	-	-	-	-	1	-
Growth and structure of cities		4	1	-	-	-	-	-	-	3
Other		23	6	1	3	-	1	3	3	6

Table 11.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1978
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
FINE AND APPLIED ARTS	Total	140	22	16	10	2	9	9	24	50
Art (painting, drawing sculpture)		34	4	2	3	1	3	3	1	17
Art history and appreciation		10	-	1	-	-	-	2	6	1
Music (performing, composition, theory)		27	3	1	4	-	2	2	3	12
Music (liberal arts program)		17	8	2	-	-	-	1	2	4
Music history & appreciation		4	-	-	-	-	2	-	2	-
Dramatic arts		39	4	9	2	-	2	-	1	22
Applied design		2	2	-	1	-	-	-	-	-
Photography		3	1	-	-	-	-	1	1	-
Printmaking		4	1	1	1	1	-	-	-	-
FOREIGN LANGUAGES	Total	67	9	5	3	2	3	1	5	39
French		15	2	1	-	-	-	1	-	11
German		11	3	1	1	-	1	-	1	4
Italian		2	-	-	-	-	-	-	-	2
Spanish		23	4	1	1	1	2	-	1	8
Slavic languages		4	-	1	-	-	-	-	-	3
E. Asian studies		2	-	-	-	-	-	-	-	2
Hispanic		12	-	1	1	-	-	-	1	9
HEALTH PROFESSIONS	Total	325	77	21	5	1	5	1	12	203
Hospital & health care admin.		9	6	-	1	-	-	-	2	-
Nursing		81	24	3	-	1	-	2	1	50
Dental specialties		9	1	-	-	-	-	-	-	8
Pharmacy		5	1	1	-	-	-	-	3	-
Public health		112	17	8	-	1	-	-	5	81
Speech pathology & audio.		43	8	6	-	-	-	1	1	27
Clinical social work		30	6	1	-	-	1	-	-	20
Radiologic technologies		2	1	-	1	-	-	-	-	-
Child development/care		10	2	2	-	-	-	-	-	6
Health-related profession		13	7	-	-	-	-	-	-	6
Other		11	4	-	1	-	2	-	-	4
HOME ECONOMICS	Total	22	3	-	-	-	-	1	4	14
Family relations & child develop.		16	1	-	-	-	-	-	4	11
Foods and nutrition		6	2	-	-	-	-	1	-	3
LAW										
Law, general		2	-	-	-	-	-	1	1	-
LETTERS	Total	174	49	4	4	2	3	5	26	81
English, general		115	43	4	3	2	-	4	4	56
Comparative literature		2	-	-	-	1	-	-	1	-
Classics		3	-	-	-	-	-	1	2	-
Linguistics		10	-	-	-	-	-	-	1	9
Speech, debate & forensic science		17	4	-	-	-	1	-	2	10
Philosophy		15	-	-	-	-	-	-	2	13
Religious studies		8	1	-	1	-	2	-	4	-
Other		4	1	-	-	-	-	-	-	3
LIBRARY SCIENCE	Total	217	46	20	5	-	-	12	2	126
Library science, general		209	45	19	4	-	-	11	2	126
Other		8	1	1	1	-	-	1	-	-
MATHEMATICS	Total	138	22	17	5	-	-	11	17	66
Mathematics, general		124	21	15	5	-	-	9	13	61
Statistics, mathematical and theoretical		13	1	1	-	-	-	2	4	5
Applied mathematics		1	-	1	-	-	-	-	-	-
PHYSICAL SCIENCES	Total	175	26	20	3	1	1	3	27	94
Physical sciences, general		6	1	-	-	-	-	-	-	5
Physics, general		35	4	2	-	1	-	1	14	13
Chemistry, general		56	11	10	1	-	-	1	4	29
Astronomy		3	-	-	-	-	-	-	3	-
Atmospheric sciences & meteorology		10	-	4	-	-	-	-	-	10
Geology		15	1	-	2	-	1	-	1	10
Geochemistry		2	1	-	-	-	-	-	-	1
Geophysics and seismology		3	-	1	-	-	-	-	-	2
Earth sciences, general		16	5	1	-	-	-	1	1	10
Metallurgy		4	-	1	-	-	-	-	1	2
Earth & planning sciences		7	1	1	-	-	-	-	-	5
Other		10	2	-	-	-	-	-	1	7

Table 31.0

Employment Status by Degree Field for Master's Degree Recipients for All Institutions in Pennsylvania, 1978 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
PSYCHOLOGY	Total	196	53	23	5	1	13	10	30	61
Psychology, general		81	12	5	3		5	6	16	35
Clinical psychology		39	5	2	-	-	6	1	9	18
Psychology for counseling		6	1	1	1	-	1	2	2	-
Social psychology		11	3	2	-	-	1	-	1	2
Developmental psychology		2	-	-	1	-	-	-	1	-
Statistics in psychology		1	-	2	-	-	-	-	-	-
Other		51	32	11	-	-	-	1	1	6
PUBLIC AFFAIRS AND SERVICES	Total	561	103	74	10	6	5	21	17	317
Community services, general		33	16	3	3	-	1	1	-	9
Public administration		290	30	57	10	1	-	6	11	175
Parks and recreation management		11	-	1	1	-	1	1	1	5
Social work and helping services		174	54	8	1	-	3	12	4	90
International public service		41	-	6	1	5	-	-	-	31
Other		12	3	1	-	-	-	-	1	7
SOCIAL SCIENCES	Total	514	44	22	16	2	4	11	25	202
Social sciences, general		23	9	4	2	1	-	-	3	4
Anthropology		14	2	1	1	-	-	-	1	9
Economics		54	3	3	1	-	-	1	4	23
History		61	11	5	6	1	-	4	4	30
Geography		23	4	1	1	-	-	1	1	9
Political science and government		39	6	3	1	-	1	1	5	24
Sociology		33	4	1	-	-	2	-	6	16
Criminology		15	7	2	-	-	-	3	1	1
History & Philosophy of Science		1	-	-	-	-	-	-	-	1
Other		85	1	-	-	-	1	-	-	83
THEOLOGY	Total	12	6	6	-	-	-	-	-	-
Theological professions, general		6	2	4	-	-	-	-	-	-
Anthropology		1	1	-	-	-	-	-	-	-
Economics		5	3	2	-	-	-	-	-	-
INTERDISCIPLINARY STUDIES	Total	48	13	3	-	-	-	-	-	32
General liberal arts & science		1	1	-	-	-	-	-	-	-
Professional growth		3	1	1	-	-	-	-	-	1
Speech		7	-	-	-	-	-	-	-	7
Other		37	11	2	-	-	-	-	-	24

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1978

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	57	4	4	-	-	-	3	8	38
Agronomy		6	-	-	-	-	-	-	-	6
Animal science		15	2	-	-	-	-	1	4	8
Dairy science		3	-	1	-	-	-	-	-	2
Fish, game and wildlife management		3	-	1	-	-	-	-	-	2
Horticulture		8	-	-	-	-	-	-	1	7
Agricultural economics		7	-	1	-	-	-	-	1	5
Food and science technology		4	1	-	-	-	-	1	1	1
Natural resources management		11	1	1	-	-	-	1	1	7
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	54	11	7	-	2	-	1	1	32
Architecture		7	3	1	-	-	-	-	-	3
City, community and regional planning		46	8	5	-	2	-	1	1	29
Other		1	-	1	-	-	-	-	-	-
AREA STUDIES										
American studies		6	-	-	-	1	-	2	-	3
BIOLOGICAL SCIENCES	Total	69	2	1	3	-	-	7	18	38
Biology, general		11	-	-	1	-	-	4	5	1
Botany, general		2	-	-	-	-	-	-	1	1
Plant pathology		6	-	1	-	-	-	-	2	3
Zoology, general		1	-	-	-	-	-	-	-	1
Pharmacology, human and animal		2	-	-	-	-	-	-	1	1
Physiology, human and animal		16	-	-	-	-	-	2	2	12
Microbiology		4	-	-	-	-	-	-	3	1
Biochemistry		4	1	-	-	-	-	-	-	3
Biophysics		2	-	-	-	-	-	-	-	2
Biometrics and biostatistics		2	1	-	1	-	-	-	-	-
Ecology		5	-	-	1	-	-	-	-	4
Entomology		6	-	-	-	-	-	1	-	5
Genetics		3	-	-	-	-	-	-	1	2
Biological/life sciences		1	-	-	-	-	-	-	1	-
Other		4	-	-	-	-	-	-	2	2
BUSINESS AND MANAGEMENT	Total	498	112	34	21	7	1	8	14	301
Accounting		25	18	1	1	-	-	1	4	-
Business statistics		2	1	-	1	-	-	-	-	-
Banking and finance		20	10	1	5	1	-	1	2	-
Business management and administration		433	72	32	11	6	1	5	5	301
Operations research		5	2	-	1	-	-	1	1	-
Marketing and purchasing		11	7	-	2	-	-	-	2	-
Insurance		2	2	-	-	-	-	-	-	-
COMMUNICATIONS	Total	20	1	1	2	-	-	3	2	11
Communications, general		1	-	-	1	-	-	-	-	-
Journalism		19	1	1	1	-	-	3	2	11
COMPUTER AND INFORMATION SCIENCES	Total	48	6	5	2	1	-	1	3	30
Computer and information sciences, general		32	6	5	2	1	-	1	3	14
Information sciences and systems		16	-	-	-	-	-	-	-	16
EDUCATION	Total	1,206	411	65	35	5	28	43	86	533
Education, general		27	20	3	1	-	-	-	3	-
Elementary education, general		203	79	1	3	-	3	6	11	100
Secondary education, general		29	15	-	-	1	2	2	3	6
Junior high school education		3	-	-	-	-	-	-	-	3
Higher education, general		10	-	1	-	-	-	-	-	9
Special education, general		145	54	14	7	-	1	6	6	57
Education of the mentally retarded		11	1	3	-	-	-	-	-	7
Speech correction		27	7	4	-	1	1	-	-	14
Social foundations		10	1	-	-	1	-	-	2	6
Educational psychology		40	11	3	-	-	3	5	10	8
Educational statistics and research		8	-	1	-	-	-	-	1	6
Student personnel		130	22	6	6	-	2	3	6	85
Educational administration		31	9	4	2	-	-	-	6	10
Educational supervision		25	7	1	1	-	-	-	-	16
Curriculum and instruction		35	7	2	1	-	3	4	4	14

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1978
(continued)

HEGIS Degree Field	Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
EDUCATION (continued)									
Reading education	107	45	2	4	-	6	2	3	40
Art education	31	7	1	1	-	2	2	1	17
Music education	9	4	1	1	1	-	-	-	2
Mathematics education	5	5	-	-	-	-	-	-	-
Science education	6	2	-	-	-	-	1	1	-
Physical education	25	4	4	1	-	2	1	2	11
Health education	3	1	-	-	-	-	1	1	-
Business, commerce and distributive education	43	14	1	1	-	-	-	5	20
Industrial arts, vocational and technical education	55	20	3	2	-	-	2	10	18
Social studies	4	3	-	-	-	-	1	-	-
Early childhood education	17	12	-	1	-	1	1	2	-
School psychology	9	3	-	-	-	-	2	4	-
Rehabilitation counseling	44	9	2	-	-	-	-	1	31
Educational communication/ technology	20	8	1	1	1	-	-	1	8
Health, physical education and recreational education	38	12	3	-	-	2	2	-	19
International and development	8	2	-	1	-	-	-	-	5
Educational studies	2	1	-	1	-	-	-	-	-
Specialized professional development	4	3	1	-	-	-	-	-	-
Teacher development	2	2	-	-	-	-	-	-	-
Vocational education - home economics	6	1	-	-	-	-	-	-	5
Vocational education - health	5	-	1	-	-	-	-	-	4
Vocational education	4	4	-	-	-	-	-	-	-
Other	32	14	2	-	-	-	2	2	12
ENGINEERING Total	311	44	28	6	4	-	1	19	209
Engineering, general	2	-	1	-	-	-	-	1	-
Aerospace, aeronautical and astronautical engineering	5	1	1	-	-	-	-	-	3
Agricultural engineering	3	-	-	-	-	-	-	-	3
Architectural engineering	4	1	1	1	-	-	-	-	1
Bioengineering and biomedical engineering	3	-	1	-	-	-	-	-	2
Chemical engineering	22	3	7	1	-	-	-	3	8
Petroleum engineering	9	-	2	-	-	-	-	-	7
Civil, construction and transportation engineering	48	11	6	-	3	-	-	4	24
Electrical, electronics and communications engineering	37	3	1	1	-	-	-	3	27
Mechanical engineering	31	5	1	-	-	-	-	4	23
Industrial and management engineering	51	6	1	3	1	-	1	1	38
Metallurgical engineering	8	1	-	-	-	-	-	-	7
Materials engineering	1	-	-	-	-	-	-	-	1
Ceramic engineering	5	1	1	-	-	-	-	-	3
Mining and mineral engineering	20	1	1	-	-	-	-	1	17
Nuclear engineering	8	-	2	-	-	-	-	-	6
Engineering mechanics	2	-	-	-	-	-	-	-	2
Environmental and sanitary engineering	4	-	-	-	-	-	-	2	2
Engineering technology	4	-	1	-	-	-	-	-	3
Energy resources	10	1	-	-	-	-	-	-	9
Public administration	13	1	-	-	-	-	-	-	12
Other	19	7	1	-	-	-	-	-	11
FINE AND APPLIED ARTS Total	89	8	6	8	2	9	6	13	37
Art	20	1	1	2	1	3	1	1	10
Art history and appreciation	10	-	1	-	-	-	2	4	3
Music (performing, composition, theory)	16	1	1	3	-	2	2	3	4
Music (liberal arts program)	5	-	-	-	-	-	-	1	4
Music history and appreciation (musicology)	4	-	-	-	-	2	-	2	-
Dramatic arts	25	3	2	1	-	2	-	1	16
Applied design	2	1	-	1	-	-	-	-	-
Photography	3	1	-	-	-	-	1	1	-
Print-making	4	1	1	1	1	-	-	-	-

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1978

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
AGRICULTURE AND NATURAL RESOURCES	Total	57	4	4	-	-	-	3	8	38
Agronomy		6	-	-	-	-	-	-	-	6
Animal science		15	2	-	-	-	-	1	4	8
Dairy science		3	-	1	-	-	-	-	-	2
Fish, game and wildlife management		2	-	1	-	-	-	-	-	2
Horticulture		8	-	-	-	-	-	-	1	7
Agricultural economics		7	-	1	-	-	-	-	1	5
Food and science technology		4	1	-	-	-	-	1	1	1
Natural resources management		11	1	1	-	-	-	1	1	7
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	56	11	7	-	2	-	1	1	32
Architecture		7	3	1	-	-	-	-	-	3
City, community and regional planning		46	8	5	-	2	-	1	1	29
Other		1	-	1	-	-	-	-	-	-
AREA STUDIES										
American studies		6	-	-	-	1	-	2	-	3
BIOLOGICAL SCIENCES	Total	89	2	1	3	-	-	7	18	38
Biology, general		11	-	-	1	-	-	4	5	1
Botany, general		2	-	-	-	-	-	-	1	1
Plant pathology		6	-	1	-	-	-	-	2	3
Zoology, general		1	-	-	-	-	-	-	-	1
Pharmacology, human and animal		2	-	-	-	-	-	-	1	1
Physiology, human and animal		16	-	-	-	-	-	2	2	12
Microbiology		4	-	-	-	-	-	-	3	1
Biochemistry		4	1	-	-	-	-	-	-	3
Biophysics		2	-	-	-	-	-	-	-	2
Biometrics and biostatistics		2	1	-	1	-	-	-	-	-
Ecology		5	-	-	1	-	-	-	-	4
Entomology		6	-	-	-	-	-	1	-	5
Genetics		3	-	-	-	-	-	-	1	2
Biological/life sciences		1	-	-	-	-	-	-	1	-
Other		4	-	-	-	-	-	-	2	2
BUSINESS AND MANAGEMENT	Total	498	112	56	21	7	1	8	14	301
Accounting		25	18	1	1	-	-	1	4	-
Business statistics		2	1	-	1	-	-	-	-	-
Banking and finance		20	10	1	5	1	-	1	2	-
Business management and administration		433	72	32	11	6	1	5	5	301
Operations research		5	2	-	1	-	-	1	1	-
Marketing and purchasing		11	7	-	2	-	-	-	2	-
Insurance		2	2	-	-	-	-	-	-	-
COMMUNICATIONS	Total	20	1	1	2	-	-	3	2	11
Communications, general		1	-	-	1	-	-	-	-	-
Journalism		19	1	1	1	-	-	3	2	11
COMPUTER AND INFORMATION SCIENCES	Total	48	6	5	2	1	-	1	3	30
Computer and information sciences, general		32	6	5	2	1	-	1	3	14
Information sciences and systems		16	-	-	-	-	-	-	-	16
EDUCATION	Total	1,206	411	65	35	9	28	43	86	533
Education, general		27	20	3	1	-	-	-	3	-
Elementary education, general		203	79	1	3	-	3	6	11	100
Secondary education, general		29	15	-	-	1	2	2	3	6
Junior high school education		3	-	-	-	-	-	-	-	3
Higher education, general		10	-	1	-	-	-	-	-	9
Special education, general		145	54	14	7	-	1	6	6	57
Education of the mentally retarded		11	1	3	-	-	-	-	-	7
Speech correction		27	7	4	-	1	1	-	-	14
Social foundations		10	1	-	-	1	-	-	2	6
Educational psychology		40	11	3	-	-	3	5	10	8
Educational statistics and research		8	-	1	-	-	-	-	1	6
Student personnel		130	22	6	6	-	2	3	6	85
Educational administration		31	9	4	2	-	-	-	6	10
Educational supervision		25	7	1	1	-	-	-	-	16
Curriculum and instruction		33	7	2	1	-	3	4	4	14

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1978 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
EDUCATION (continued)										
Reading education		102	45	2	4	-	6	2	3	40
Art education		31	7	1	1	-	2	2	1	17
Music education		9	4	1	1	1	-	-	-	2
Mathematics education		5	5	-	-	-	-	-	-	-
Science education		4	2	-	-	-	-	1	1	-
Physical education		25	4	4	1	-	2	1	2	11
Health education		3	1	-	-	-	-	1	1	-
Business, commerce and distributive education		43	16	1	1	-	-	-	5	20
Industrial arts, vocational and technical education		33	20	3	2	-	-	3	10	18
Social studies		4	3	-	-	-	-	1	-	-
Early childhood education		17	12	-	1	-	1	1	2	-
School psychology		9	3	-	-	-	-	2	4	-
Rehabilitation counseling		44	9	2	-	-	-	-	2	31
Educational communication/ technology		20	8	1	1	1	-	-	1	8
Health, physical education and recreational education		38	12	3	-	-	2	2	-	19
International and development		8	2	-	1	-	-	-	-	5
Educational studies		2	1	-	1	-	-	-	-	-
Specialized professional development		4	3	1	-	-	-	-	-	-
Teacher development		2	2	-	-	-	-	-	-	-
Vocational education - home economics		6	1	-	-	-	-	-	-	5
Vocational education - health		5	-	1	-	-	-	-	-	4
Vocational education		4	4	-	-	-	-	-	-	-
Other		32	14	2	-	-	-	2	2	12
ENGINEERING	Total	111	44	28	6	4	-	1	19	209
Engineering, general		2	-	1	-	-	-	-	1	-
Aerospace, aeronautical and astronautical engineering		5	1	1	-	-	-	-	-	3
Agricultural engineering		3	-	-	-	-	-	-	-	3
Architectural engineering		4	1	1	1	-	-	-	-	1
Bioengineering and biomedical engineering		3	-	1	-	-	-	-	-	2
Chemical engineering		22	3	7	1	-	-	-	3	8
Petroleum engineering		9	-	2	-	-	-	-	-	7
Civil, construction and transportation engineering		48	11	6	-	3	-	-	4	24
Electrical, electronics and communications engineering		37	5	1	1	-	-	-	3	27
Mechanical engineering		33	5	1	-	-	-	-	4	23
Industrial and management engineering		51	6	1	3	1	-	1	1	38
Metallurgical engineering		8	1	-	-	-	-	-	-	7
Materials engineering		1	-	-	-	-	-	-	-	1
Ceramic engineering		5	1	1	-	-	-	-	-	3
Mining and mineral engineering		20	1	1	-	-	-	-	1	17
Nuclear engineering		8	-	2	-	-	-	-	-	6
Engineering mechanics		2	-	-	-	-	-	-	-	2
Environmental and sanitary engineering		4	-	-	-	-	-	-	2	2
Engineering technology		4	-	1	-	-	-	-	-	3
Energy resources		10	1	-	-	-	-	-	-	9
Public administration		13	1	-	-	-	-	-	-	12
Other		19	7	1	-	-	-	-	-	11
FINE AND APPLIED ARTS	Total	69	8	6	8	2	9	4	13	
Art		20	1	1	2	1	3	1	1	10
Art history and appreciation		10	-	1	-	-	-	2	4	3
Music (performing, composition, theory)		16	1	1	3	-	2	2	3	4
Music (liberal arts program)		5	-	-	-	-	-	-	1	4
Music history and appreciation (musicology)		4	-	-	-	-	2	-	2	-
Dramatic arts		25	3	2	1	-	2	-	1	16
Applied design		2	1	-	1	-	-	-	-	-
Photography		3	1	-	-	-	-	1	1	-
Print-making		4	1	1	1	1	-	-	-	-

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1978 (continued)

NEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
FOREIGN LANGUAGES	Total	50	5	3	1	2	2	1	5	31
French		11	-	1	-	-	-	1	-	9
German		8	2	-	-	-	1	-	1	4
Italian		2	-	-	-	-	-	-	-	2
Spanish		11	3	-	-	2	1	-	3	2
Slavic languages		4	-	1	-	-	-	-	-	3
East Asian studies		2	-	-	-	-	-	-	-	2
Hispanic		12	-	1	1	-	-	-	1	9
HEALTH PROFESSIONS	Total	277	66	15	5	2	2	2	12	173
Hospital and health care administration		9	6	-	1	-	-	-	2	-
Nursing		81	24	3	-	1	-	2	1	50
Dental specialities		9	1	-	-	-	-	-	-	8
Pharmacy		5	1	1	-	-	-	-	3	-
Public health		112	17	8	-	1	-	-	5	81
Speech pathology and audio.		25	3	1	-	-	-	-	1	20
Radiologic technologies		2	1	-	1	-	-	-	-	-
Child development/care		10	2	2	-	-	-	-	-	6
Health-related professions		13	7	-	-	-	-	-	-	6
Other		11	4	-	3	-	2	-	-	2
HOME ECONOMICS	Total	22	3	-	-	-	-	1	4	14
Family relations and child development		16	1	-	-	-	-	-	4	11
Foods and nutrition		6	2	-	-	-	-	1	-	3
LAW										
Law, general		2	-	-	-	-	-	1	1	-
LETTERS	Total	76	9	-	2	1	3	2	14	45
English, general		20	4	-	1	-	-	1	2	12
Comparative literature		2	-	-		1	-	-	1	-
Classics		3	-	-	-	-	-	1	2	-
Linguistics		10	-	-	-	-	-	-	1	9
Speech, debate and forensic science		14	3	-	-	-	1	-	2	8
Philosophy		15	-	-	-	-	-	-	2	13
Religious studies		8	1	-	1	-	2	-	4	-
Other		4	1	-	-	-	-	-	-	3
LIBRARY SCIENCE										
Library science, general		166	27	11	4	-	-	2	2	120
MATHEMATICS	Total	67	8	2	1	-	-	9	5	42
Mathematics, general		61	7	2	1	-	-	8	5	38
Statistics, mathematical and theoretical		6	1	-	-	-	-	1	-	4
PHYSICAL SCIENCES	Total	112	8	14	3	1	1	2	11	72
Physics, general		16	1	-	-	1	-	1	3	10
Chemistry, general		39	4	6	1	-	-	-	2	26
Astronomy		3	-	-	-	-	-	-	3	-
Atmospheric sciences and meteorology		14	-	4	-	-	-	-	-	10
Geology		10	-	-	2	-	1	-	1	6
Geochemistry		2	1	-	-	-	-	-	-	1
Geophysics and seismology		3	-	1	-	-	-	-	-	2
Earth sciences, general		7	1	1	-	-	-	1	-	4
Metallurgy		4	-	1	-	-	-	-	1	2
Earth and planning science		7	1	1	-	-	-	-	-	5
Other		7	-	-	-	-	-	-	1	6
PSYCHOLOGY	Total	69	6	2	2	-	9	4	25	21
Psychology		40	2	1	-	-	2	1	15	19
Clinical psychology		10	-	-	-	-	4	1	5	-
Psychology for counseling		8	1	1	1	-	1	2	2	-
Social psychology		7	3	-	-	-	2	-	1	1
Developmental psychology		2	-	-	1	-	-	-	1	-
Other		2	-	-	-	-	-	-	1	1

Table 31.2

Employment Status by Degree Field for Master's Degree Recipients for State-Related Institutions in Pennsylvania, 1978 (continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
PUBLIC AFFAIRS AND SERVICES	Total	431	77	27	12	6	4	20	12	273
Community services, general		5	1	1	-	-	-	-	-	3
Public administration		198	22	13	7	1	-	6	6	143
Parks and recreation management		11	-	1	1	-	1	2	1	5
Social work and helping services		174	54	8	3	-	3	12	4	90
International public service		41	-	4	1	5	-	-	-	31
Other		2	-	-	-	-	-	-	1	1
SOCIAL SCIENCES	Total	131	10	7	3	-	4	4	17	84
Anthropology		14	2	1	1	-	-	-	1	9
Economics		33	2	3	1	-	-	-	4	23
History		17	2	-	2	-	-	1	1	11
Geography		11	-	-	1	-	-	2	1	7
Political science and government		22	1	2	-	-	1	1	5	12
Sociology		26	2	1	-	-	2	-	5	16
History and philosophy of science		1	-	-	-	-	-	-	-	1
Other		7	1	-	-	-	1	-	-	5
INTERDISCIPLINARY STUDIES	Total	45	12	2	-	-	-	-	-	31
General liberal arts and sciences		1	1	-	-	-	-	-	-	-
Speech		7	-	-	-	-	-	-	-	7
Other		37	11	2	-	-	-	-	-	24

Table 31.3

Employment Status by Degree Field for Master's Degree Recipients for State-Aided Institutions in Pennsylvania, 1978

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
BIOLOGICAL SCIENCES	Total	25	13	3	-	-	-	1	6	2
Pathology, human & animal		7	4	1	-	-	-	1	-	1
Pharmacology, human & animal		1	-	1	-	-	-	-	-	-
Physiology, human & animal		2	1	-	-	-	-	-	1	-
Microbiology		9	4	1	-	-	-	-	4	-
Biochemistry		5	3	-	-	-	-	-	1	1
Other		1	1	-	-	-	-	-	-	-
HEALTH PROFESSIONS										
Speech pathology & audio.		10	2	5	-	-	-	-	-	3
PSYCHOLOGY	Total	62	36	13	-	-	-	3	4	6
Clinical psychology		11	4	2	-	-	-	-	4	1
Developmental psychology		51	32	11	-	-	-	3	-	5

Table 31.4

Employment Status by Degree Field for Master's Degree Recipients for Private Institutions in Pennsylvania, 1978

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
ARCHITECTURE AND ENVIRONMENTAL DESIGN	Total	13	2	-	-	-	-	-	-	11
Architecture		8	1	-	-	-	-	-	-	7
Landscape architecture		1	-	-	-	-	-	-	-	1
Other		4	1	-	-	-	-	-	-	3
BIOLOGICAL SCIENCES	Total	13	-	-	-	-	-	-	2	11
Biology, general		1	-	-	-	-	-	-	-	1
Pharmacology, human and animal		1	-	-	-	-	-	-	1	-
Biochemistry		10	-	-	-	-	-	-	-	10
Other		1	-	-	-	-	-	-	1	-
BUSINESS AND MANAGEMENT	Total	331	99	104	-	1	3	15	11	98
Business & commerce, general		135	62	14	-	1	2	8	6	42
Accounting		17	5	2	-	-	-	2	-	8
Banking and finance		21	4	6	-	-	-	3	2	6
Business management and administration		139	28	72	-	-	1	-	-	38
Operations research		3	-	2	-	-	-	-	1	-
Marketing and purchasing		5	-	4	-	-	-	1	-	-
Personnel management		3	-	-	-	-	-	-	-	3
Business economics		6	-	2	-	-	-	1	2	1
Other		2	-	2	-	-	-	-	-	-
EDUCATION	Total	451	107	27	2	2	1	2	7	303
Education, general		188	2	1	-	1	-	-	-	184
Elementary education, general		25	6	5	-	-	-	-	1	13
Special education, general		6	5	1	-	-	-	-	-	-
Social foundations		1	1	-	-	-	-	-	-	-
Educational psychology		1	-	-	-	-	-	-	-	1
Student personnel		101	46	5	2	1	1	1	5	40
Educational administration		42	12	3	-	-	-	-	1	26
Reading education		34	14	-	-	-	-	-	-	20
Art education		5	-	3	-	-	-	-	-	2
Music education		18	8	1	-	-	-	-	-	9
Mathematics education		7	4	-	-	-	-	-	-	3
Science education		4	3	1	-	-	-	-	-	-
Business, commerce and distributive education		1	-	-	-	-	-	-	-	1
Biology education		1	-	1	-	-	-	-	-	-
French		1	-	1	-	-	-	-	-	-
Spanish		2	2	-	-	-	-	-	-	-
Earth & space science education		1	-	1	-	-	-	-	-	-
Chemistry education		2	-	-	-	-	-	-	-	2
Social studies education		2	-	2	-	-	-	-	-	-
English education		9	4	2	-	-	-	1	-	2
ENGINEERING	Total	120	31	46	-	-	-	4	23	16
Engineering, general		2	2	-	-	-	-	-	-	-
Bioengineering and biomedical engineering		1	-	-	-	-	-	-	1	-
Chemical engineering		34	3	16	-	-	-	-	10	5
Civil, construction & transportation engineering		12	8	2	-	-	-	-	1	1
Electrical, electronics & communications engineering		37	6	21	-	-	-	-	5	5
Mechanical engineering		12	4	1	-	-	-	2	1	4
Industrial & management engineering		6	3	2	-	-	-	1	-	-
Metallurgical engineering		8	2	-	-	-	-	1	4	1
Nuclear engineering		2	2	-	-	-	-	-	-	-
Other		6	1	4	-	-	-	-	1	-

Table 31.4

Employment Status by Degree Field for Master's Degree Recipients for Private Institutions in Pennsylvania, 1978
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
FINE AND APPLIED ARTS	Total	29	3	7	1	-	-	1	-	16
Art		4	-	-	-	-	-	1	-	3
Music (performing, composition, theory)		10	2	-	1	-	-	-	-	7
Dramatic arts		14	1	7	-	-	-	-	-	6
HEALTH PROFESSIONS										
Physical therapy		17	3	1	-	-	-	-	-	13
LETTERS										
English, general		24	10	2	-	-	-	2	-	10
LIBRARY SCIENCE										
Library science, general		3	2	-	-	-	-	-	-	1
MATHEMATICS	Total	32	1	8	-	-	-	2	11	10
Mathematics, general		24	1	6	-	-	-	1	7	9
Statistics, mathematical and theoretical		7	-	1	-	-	-	1	4	1
Applied mathematics		1	-	1	-	-	-	-	-	-
PHYSICAL SCIENCES	Total	37	8	5	-	-	-	-	13	11
Physical sciences, general		6	1	-	-	-	-	-	-	5
Physics, general		15	1	2	-	-	-	-	10	2
Chemistry, general		10	4	3	-	-	-	-	3	-
Geology		3	-	-	-	-	-	-	-	3
Other		3	2	-	-	-	-	-	-	1
PSYCHOLOGY										
Psychology, general		9	2	2	1	-	-	-	1	3
PUBLIC AFFAIRS AND SERVICES										
Public administration		35	5	18	-	-	-	-	4	8
SOCIAL SCIENCES	Total	113	10	4	3	2	-	4	5	85
Social sciences, general		15	7	3	1	1	-	-	3	-
Economics		1	-	-	-	-	-	1	-	-
History		17	3	1	2	1	-	3	1	6
Political science & govt.		1	-	-	-	-	-	-	-	1
Sociology		1	-	-	-	-	-	-	1	-
Other		78	-	-	-	-	-	-	-	78
THEOLOGY	Total	12	6	6	-	-	-	-	-	-
Theological professions, general		6	2	4	-	-	-	-	-	-
Religious music		1	1	-	-	-	-	-	-	-
Religious education		5	3	2	-	-	-	-	-	-

Table 32.0

Employment Status by Degree Field for Doctoral Degree Recipients for All Institutions in Pennsylvania, 1978

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others[1]
AGRICULTURE AND NATURAL RESOURCES	Total	9	-	2	-	-	-	-	-	7
Agronomy		1	-	1	-	-	-	-	-	-
Agricultural economics		4		1	-	-	-	-	-	3
Food science & technology		2	-	-	-	-	-	-	-	2
Natural resources management		2	-	-	-	-	-	-	-	2
BIOLOGICAL SCIENCES	Total	65	13	10	1	-	-	-	4	37
Biology, general		7	3	1	-	-	-	-	-	3
Pathology, human & animal		4	-	-	-	-	-	-	-	4
Pharmacology, human & animal		6	1	-	-	-	-	-	1	4
Physiology, human & animal		10	1	2	-	-	-	-	2	5
Microbiology		7	1	3	-	-	-	-	-	3
Anatomy		6	2	1	-	-	-	-	1	2
Biochemistry		8	3	1	-	-	-	-	-	4
Molecular biology		3	1	1	-	-	-	-	-	1
Entomology		4	-	1	-	-	-	-	-	3
Genetics		2	-	-	-	-	-	-	-	2
Biological/Life sciences		1	1	-	-	-	-	-	-	-
Pharmacognosy		1	-	-	-	-	-	-	-	1
Biophysics/Microbiology		4	-	-	1	-	-	-	-	3
Bio-acoustics		1	-	-	-	-	-	-	-	1
Other		1	-	-	-	-	-	-	-	1
BUSINESS AND MANAGEMENT	Total	36	4	14	2	-	-	-	-	16
Business statistics		2	1	-	1	-	-	-	-	-
Business management & admin.		30	2	11	1	-	-	-	-	16
Business economics		3	1	2	-	-	-	-	-	-
Other		1	-	1	-	-	-	-	-	-
COMMUNICATIONS										
Communications, general		1	-	-	1	-	-	-	-	-
COMPUTER AND INFORMATION SCIENCES	Total	16	3	8	-	-	-	-	-	5
Computer and information sciences, general		14	2	8	-	-	-	-	-	4
Information sciences & systems		2	1	-	-	-	-	-	-	1
EDUCATION	Total	278	92	21	23	4	11	6	4	117
Elementary education, general		10	8	1	1	-	-	-	-	-
Secondary education, general		1	1	-	-	-	-	-	-	-
Higher education, general		29	6	2	1	1	-	-	-	19
Special education, general		6	1	3	1	-	-	-	-	1
Education of the mentally retarded		1	-	-	-	-	-	-	-	1
Social foundations		9	1	-	1	-	-	-	-	7
Educational psychology		23	9	2	3	-	4	2	-	3
Educational statistics & research		3	3	-	-	-	-	-	-	-
Student personnel		34	10	2	1	1	-	1	-	19
Educational administration		28	15	-	1	-	-	-	-	12
Educational supervision		21	6	-	-	-	-	-	-	15
Curriculum and instruction		28	10	3	-	-	-	-	1	14
Reading education		13	2	1	3	1	3	-	1	2
Art education		5	1	1	-	-	-	1	-	2
Music education		3	-	1	1	-	-	-	-	1
Science education		2	1	-	-	-	1	-	-	-
Physical education		9	2	-	1	-	-	2	-	4
Health education		2	1	-	-	-	1	-	-	-
Business, commerce and distributive education		6	2	-	3	-	-	-	1	-
Industrial arts, vocational & tech. education		7	4	-	-	1	-	-	-	2
Social studies		3	1	-	1	-	-	-	1	-
Early childhood education		2	-	-	1	-	1	-	-	-
School psychology		1	1	-	-	-	-	-	-	-
Rehabilitation counseling		4	1	-	-	-	-	-	-	3
Education communication & tech.		5	1	-	1	-	-	-	-	3
Urban education		9	5	-	3	-	1	-	-	-
Health, physical recreation		3	-	3	-	-	-	-	-	-
International & development education		7	-	1	-	-	-	-	-	6
Vocational education		4	-	1	-	-	-	-	-	3

[1] The "all others" category represents those not responding to the survey which should represent the difference between the number of respondents and the number of graduates.

Table 32.0

Employment Status by Degree Field for Doctoral
Degree Recipients for All Institutions in Pennsylvania, 1978
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
ENGINEERING	Total	85	15	34	-	-	-	1	-	35
Aerospace, aeronautical & astronautical engineering		2	-	1	-	-	-	-	-	1
Agricultural engineering		3	-	-	-	-	-	-	-	3
Bioengineering and bio-medical engineering		3	-	-	-	-	-	-	-	3
Chemical engineering		15	1	11	-	-	-	1	-	2
Petroleum engineering		1	-	-	-	-	-	-	-	1
Civil, construction & transportation engineering		10	3	3	-	-	-	-	-	4
Electrical, electronics & communications engineering		16	3	5	-	-	-	-	-	8
Mechanical engineering		9	3	4	-	-	-	-	-	2
Industrial & management engineering		3	-	2	-	-	-	-	-	1
Metallurgical engineering		12	2	5	-	-	-	-	-	5
Materials engineering		1	-	-	-	-	-	-	-	1
Ceramic engineering		2	-	2	-	-	-	-	-	-
Mining & mineral engineering		2	1	1	-	-	-	-	-	-
Nuclear engineering		3	1	-	-	-	-	-	-	2
Environmental & sanitary engineering		1	-	-	-	-	-	-	-	1
Engineering technologies		2	1	-	-	-	-	-	-	1
FINE AND APPLIED ARTS	Total	15	1	4	-	-	-	-	-	10
Art (painting, drawing, sculpture)		1	1	-	-	-	-	-	-	-
Art history and appreciation		7	-	3	-	-	-	-	-	4
Music (liberal arts program)		3	-	-	-	-	-	-	-	3
Dramatic arts		4	-	1	-	-	-	-	-	3
FOREIGN LANGUAGES	Total	11	3	2	-	1	-	-	-	5
French		3	1	-	-	-	-	-	-	2
German		2	1	1	-	-	-	-	-	-
Spanish		1	1	-	-	-	-	-	-	-
Slavic languages		1	-	-	-	-	-	-	-	1
Hispanic language & literature		4	-	1	-	1	-	-	-	2
HEALTH PROFESSIONS	Total	45	5	5	-	-	-	-	7	28
Nursing		3	1	2	-	-	-	-	-	-
Dental specialties		4	-	1	-	-	-	-	-	3
Medicine, M.D. degree		10	1	1	-	-	-	-	7	1
Pharmacy		12	1	-	-	-	-	-	-	11
Public health		11	2	1	-	-	-	-	-	8
Speech pathology & audio.		2	-	-	-	-	-	-	-	2
Other		3	-	-	-	-	-	-	-	3
LAW										
Law, general		9	6	-	-	-	-	2	-	1
LETTERS	Total	57	8	8	3	-	2	-	-	36
English, general		19	5	3	2	-	-	-	-	9
Classics		1	-	-	-	-	-	-	-	1
Linguistics		2	-	1	-	-	-	-	-	1
Speech, debate & forensic science		4	1	-	1	-	-	-	-	2
Philosophy		15	2	3	-	-	1	-	-	9
Religious studies		2	-	-	-	-	1	-	-	1
Other		14	-	1	-	-	-	-	-	13
LIBRARY SCIENCE										
Library science, general		12	4	3	-	-	-	-	-	5
PHYSICAL SCIENCES	Total	106	8	23	1	-	-	6	2	66
Physical sciences, general		1	-	-	-	-	-	-	-	1
Physics, general		28	1	4	-	-	-	2	1	20
Chemistry, general		52	5	15	1	-	-	4	1	26
Pharmaceutical chemistry		1	-	-	-	-	-	-	-	1
Astronomy		1	-	-	-	-	-	-	-	1
Atmospheric sciences & meteorology		1	1	-	-	-	-	-	-	-
Geology		3	-	1	-	-	-	-	-	2
Geochemistry		2	-	1	-	-	-	-	-	1
Earth sciences, general		2	-	-	-	-	-	-	-	2
Metallurgy		1	-	-	-	-	-	-	-	1
Crystallography		1	-	-	-	-	-	-	-	1
Earth & plan.		4	1	2	-	-	-	-	-	1
Other		9	-	-	-	-	-	-	-	9

Table 32.0

Employment Status by Degree Field for Doctoral
Degree Recipients for All Institutions in Pennsylvania, 1978
(continued)

HEGIS Degree Field		Total	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
PSYCHOLOGY	Total	32	7	8	1	-	1	2	-	13
Psychology, general		26	4	7	1	-	1	-	-	13
Clinical psychology		6	3	1	-	-	-	2	-	-
PUBLIC AFFAIRS & SERVICES	Total	23	1	6	-	-	-	-	-	16
Community services, general		1	-	-	-	-	-	-	-	1
Public administration		3	-	2	-	-	-	-	-	1
Social work and helping services		7	1	2	-	-	-	-	-	4
Public & international affairs		10	-	1	-	-	-	-	-	9
Other		2	-	1	-	-	-	-	-	1
SOCIAL SCIENCES	Total	69	6	15	3	3	1	1	-	40
Anthropology		9	-	1	-	-	-	-	-	8
Economics		12	1	2	-	-	-	-	-	9
History		18	4	3	-	2	-	-	-	9
Geography		7	-	4	-		-	-	-	3
Political science & government		5	-	2	-	-	1	-	-	2
Sociology		16	1	2	3	1	-	1	-	8
History & Phil. of science		2	-	1	-	-	-	-	-	1
THEOLOGY										
Theological professions, general		1	-	-	-	-	-	-	-	1
INTERDISCIPLINARY STUDIES	Total	7	2	-	-	-	-	-	-	5
General liberal arts & science		1	1	-	-	-	-	-	-	-
Psycho-biology		1	1	-	-	-	-	-	-	-
Speech		5	-	-	-	-	-	-	-	5

Table 33.0

Employment Status by Degree Field for Associate Degree Graduates for All Institutions, 1978

MEJ/S Degree Field		Total	Employed in Field Prepared In Fa.	Employed in Field Prepared Outside Fa.	Employed in Other Field In Fa.	Employed in Other Field Outside Fa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others[1]
BUSINESS & COMMERCE TECHNOLOGIES	Total	3,388	1,507	124	214	19	55	219	325	925
Business and commerce technologies, general		838	252	12	61	2	20	56	101	334
Accounting technologies		602	259	16	30	2	8	46	76	165
Banking & finance technologies		13	1	-	1	-	-	-	-	11
Marketing, distribution, purchasing, business & industrial management technol.		373	126	4	40	2	12	14	49	126
Secretarial technologies		915	648	25	31	5	6	46	26	148
Personal service technologies		12	4	-	4	-	-	1	3	-
Photography technologies		60	19	7	5	-	2	16	3	8
Communications & broadcasting technol.		69	16	-	6	2	3	3	14	25
Printing & lithography technol.		20	11	-	-	-	-	-	4	5
Hotel & restaurant management technol.		93	25	3	8	3	-	5	7	42
Transportation & public utility technol.		19	6	-	1	-	-	-	2	10
Applied arts, graphic arts, and fine arts technol.		188	62	42	12	2	1	28	18	23
Other		166	88	15	15	1	3	4	22	18
DATA PROCESSING TECHNOLOGIES	Total	429	178	31	28	3	9	26	23	131
Data processing technol., general		280	122	5	18	3	7	16	17	92
Computer programmer technol.		108	36	19	6	-	-	8	4	31
Computer operator and peripheral equipment operation technologies		31	13	-	4	-	2	2	2	8
Data processing equipment maintenance technol.		14	7	7	-	-	-	-	-	-
HEALTH SERVICES & PARAMEDICAL TECHNOL	Total	2,203	1,247	72	38	3	83	73	142	545
Health services assistant technologies, general		16	4	1	-	-	2	-	1	8
Dental assistant technol.		73	42	-	3	-	1	-	3	24
Dental hygiene technol.		50	37	2	-	-	5	1	-	5
Dental laboratory technol.		159	108	-	7	-	5	3	6	30
Radiologic technol.		54	26	6	1	-	-	5	2	14
Nursing, R.N.		1,001	612	44	10	3	30	26	47	231
Nursing, practical		271	187	-	3	-	9	4	36	32
Occupational therapy technol.		30	18	-	4	-	2	4	1	1
Surgical technologies		11	8	-	1	-	-	-	-	2
Medical record technologies		19	6	2	1	-	-	-	-	8
Medical assistant and medical office assistant technol.		157	63	3	1	-	7	12	7	64
Inhalation therapy technologies		94	52	10	-	-	-	1	3	28
Psychiatric technologies		66	26	-	3	-	8	7	13	9
Physical therapy technologies		30	23	-	1	-	1	1	1	1
Emergency medical technologies		17	4	-	-	-	2	-	2	9
Dietetic technologies		11	1	-	-	-	-	1	2	7
Podology		54	6	2	-	-	-	2	6	38
Mental health		13	1	-	-	-	2	2	1	7
Geriatric assistant		24	2	-	-	-	3	2	2	15
Child care development		23	1	-	1	-	3	3	5	10
Other		30	20	2	2	-	1	1	1	1
MECHANICAL & ENGINEERING TECHNOLOGIES	Total	2,348	884	466	120	11	14	97	200	548
Mechanical & engineering technol.		240	42	25	14	2	3	11	42	101
Aeronautical & aviation technol.		208	-	181	6	-	-	8	5	8
Engineering graphics		78	48	6	4	-	-	4	4	12
Architectural drafting technol.		171	81	7	15	-	-	8	31	29
Chemical technologies		19	8	-	-	-	-	1	2	8
Diesel technologies		25	18	-	2	-	-	1	-	4
Welding technologies		52	36	1	3	-	-	-	-	12
Civil technologies		108	29	9	6	1	1	-	21	41
Electronics & machine technol.		650	277	168	29	6	2	25	70	113
Electromechanical technol.		31	5	6	3	2	-	-	7	8
Industrial technologies		75	35	3	3	-	3	10	-	21
Mechanical technologies		55	37	6	7	-	-	1	4	-
Nuclear technologies		15	2	5	-	-	-	4	1	3
Construction and building technol.		186	105	6	11	-	-	1	6	57
Drafting		5	3	-	-	-	-	-	1	1
Automotive technologies		52	36	1	1	-	2	3	-	9
Other		172	122	42	16	-	3	20	54	120

[1]The "all others" category represents those not responding to the survey which should represent the difference between the number of respondents and the number of graduates.

Table 33.0

Employment Status by Degree Field for Associate Degree Graduates for All Institutions, 1978 (continued)

HEGIS Degree Field		Total	Employed In Field Prepared In Pa.	Employed In Field Prepared Outside Pa.	Employed In Other Field In Pa.	Employed In Other Field Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
NATURAL SCIENCE TECHNOLOGIES	Total	331	130	18	35	1	14	20	41	72
Natural science technol.		35	14	-	4	-	-	3	8	6
Agriculture technologies		51	21	-	5	1	10	2	6	6
Forestry and wildlife technol.		131	38	15	22	-	4	4	11	37
Food service technologies		42	21	1	-	-	-	4	10	6
Laboratory technologies		6	1	1	-	-	-	-	-	4
Sanitation and public health inspection technologies		9	8	-	-	-	-	-	-	1
Environmental studies		7	4	-	2	-	-	-	1	-
Other		50	23	1	2	-	-	7	5	12
PUBLIC SERVICE RELATED TECHNOLOGIES	Total	1,277	341	19	100	10	56	55	167	523
Public service technologies		56	17	-	3	-	1	6	3	20
Bible study or religion-related occupations		8	-	-	2	-	-	-	6	-
Education technologies		237	47	-	32	-	16	10	39	93
Library assistant technol.		9	5	-	2	1	1	-	-	-
Police, law enforcement, corrections technologies		589	120	12	45	3	12	21	70	200
Recreation and social work related technologies		128	29	-	12	2	7	11	22	55
Fire control technology		87	32	-	3	-	-	-	2	50
Public administration & management technologies		9	-	-	1	-	1	-	2	3
Child development technologies		102	49	6	7	4	17	7	11	1
Other		57	41	1	1	-	1	1	1	1
ARTS & SCIENCE TRANSFERS	Total	3,330	312	27	292	12	91	71	1,060	1,436
Arts & science transfers who enter four-year programs		2,882	769	27	274	9	79	60	900	1,264
Arts/Science/General Programs not organized as Occupational Curriculums		448	63	-	18	3	12	11	109	152

Table 33.1

Employment Status by Degree Field for Associate Degree Graduates for Community Colleges, 1978

HEGIS Degree Field		Total	Employed in Field Prepared In		Employed in Other Field To		Employed Part-Time	Un-employed	Pursuing Advanced Degree	All Others
			Pa.	Outside Pa.	Pa.	Outside Pa.				
BUSINESS AND COMMERCE	Total	1,993	687	20	162	11	34	64	220	795
Business and commerce technologies, general		567	116	4	32	-	8	12	62	273
Accounting technologies		359	100	4	26	-	7	20	51	151
Banking & finance technol.		13	1	-	1	-	-	-	-	11
Marketing, distribution, purchasing, business & industrial management technol.		337	105	4	30	2	12	10	44	122
Secretarial technol.		482	261	5	24	5	3	12	14	136
Personal service technol.		12	6	-	4	-	-	1	5	-
Photography technologies		2	1	-	1	-	2	1	1	7
Communications & broadcasting technol.		44	12	-	5	1	1	-	7	18
Printing & lithography technol.		20	11	-	-	-	-	-	4	5
Hotel & restaurant management technol.		75	20	2	7	3	-	3	5	35
Transportation & public utility technol.		19	6	-	1	-	-	-	2	10
Applied arts, graphic arts & fine arts technologies		46	5	-	6	-	1	5	9	17
Other		64	25	1	12	-	-	-	16	10
DATA PROCESSING TECHNOLOGIES	Total	327	137	8	24	1	9	15	23	112
Data processing, technologies, general		253	103	5	10	1	7	12	17	99
Computer programmer technologies		43	21	3	2	-	-	1	2	14
Computer operator and peripheral equipment operations technol.		31	13	-	4	-	2	2	2	8
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	Total	1,783	943	41	35	3	81	62	106	514
Health services assistant technol.		16	4	1	-	-	2	-	1	6
Dental assistant technologies		73	42	-	3	-	1	-	3	24
Dental hygiene technologies		50	17	2	-	-	5	1	-	5
Medical or biological laboratory assistant technologies		109	61	-	7	-	5	3	3	29
Radiologic technologies		72	14	1	-	-	-	-	1	6
Nursing, R.N.		777	447	33	10	3	29	21	19	215
Nursing, practical		271	167	-	3	-	9	4	36	32
Occupational therapy technologies		30	18	-	4	-	2	4	1	1
Surgical technologies		11	8	-	1	-	-	-	-	2
Medical record technologies		17	5	1	1	-	-	-	1	9
Medical assistant & medical office assistant technologies		117	32	-	1	-	7	11	6	60
Inhalation therapy technologies		51	23	1	-	-	-	-	-	27
Psychiatric technologies		66	26	-	3	-	6	7	13	9
Physical therapy technologies		30	23	-	1	-	1	1	1	1
Emergency medical technologies		17	6	-	-	-	2	-	2	5
Dietetic technologies		11	1	-	-	-	-	1	2	7
Podology		34	6	2	-	-	-	2	6	18
Mental health		13	1	-	-	-	2	2	1	7
Geriatric assistant		24	2	-	-	-	1	2	2	15
Child care development		23	1	-	1	-	1	1	1	18
Other		7	1	-	-	-	-	-	1	-
MECHANICAL & ENGINEERING TECHNOLOGIES	Total	673	395	15	66	3	7	31	109	247
Mechanical & engineering technologies, general		55	7	1	3	1	2	4	13	24
Engineering graphics		52	30	-	4	-	-	3	4	11
Architectural drafting technol.		83	39	2	9	-	-	3	16	12
Chemical technologies		2	1	-	-	-	-	-	1	-
Automotive technologies		35	20	1	1	-	-	1	-	6
Diesel technologies		25	16	-	2	-	-	1	-	4
Welding technologies		39	23	1	3	-	-	-	-	12
Civil technologies		53	19	-	5	-	1	-	14	14
Electronics & machine technol.		240	88	4	20	-	2	10	24	92
Electromechanical technol.		25	6	1	3	2	-	-	7	6
Industrial technologies		11	9	-	-	-	-	-	-	2
Mechanical technologies		26	17	4	2	-	-	1	2	-
Nuclear technologies		1	1	-	-	-	-	-	-	-
Construction & building technol.		100	58	-	5	-	-	1	4	32
Drafting		5	3	-	-	-	-	-	1	1
Other		121	78	1	6	-	-	5	21	7

Table 33.1

Employment Status by Degree Field for Associate Degree Graduates for Community Colleges, 1978 (continued)

CIP-78 Degree Field		Total	Employed in Field Prepared For: In Pa.	Employed in Field Prepared For: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
NATURAL SCIENCE TECHNOLOGIES	Total	191	88	14	14	-	-	10	23	42
Natural science technol.		35	14	-	4	-	-	3	8	6
Forestry and wildlife technol.		62	27	11	7	-	-	1	3	13
Food service technologies		42	21	1	-	-	-	4	10	6
Laboratory technologies		6	1	1	-	-	-	-	-	4
Sanitation and public health inspection technologies		9	8	-	-	-	-	-	-	1
Environmental studies		7	4	-	2	-	-	-	1	-
Other		30	13	1	1	-	-	2	1	12
PUBLIC SERVICE RELATED TECHNOLOGIES	Total	932	231	6	90	4	25	32	114	430
Education technologies		237	47	-	32	-	14	10	39	95
Library assistant technol.		9	5	-	2	1	1	-	-	-
Police, law enforcement, corrections technologies		481	105	6	43	2	7	16	59	243
Recreation and social work-related technologies		83	13	-	9	1	2	6	13	39
Fire control technology		87	32	-	3	-	-	-	2	50
Public administration & management technologies		7	1	-	1	-	1	-	1	3
Other		28	28	-	-	-	-	-	-	-
ARTS AND SCIENCE TRANSFERS	Total	2,901	271	24	269	7	83	51	918	1,278
Arts and science transfers who enter four-year programs		2,552	208	24	256	4	71	42	792	1,157
Arts/Science/General Programs not organized as Occupational Curriculums		349	63	-	15	3	12	9	126	121

Table 33.2

Employment Status by Degree Field for Associate Degree Graduates for Proprietary Institutions, 1978

CIP-78 Degree Field		Total	Employed in Field Prepared For: In Pa.	Employed in Field Prepared For: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
BUSINESS & COMMERCE TECHNOLOGIES	Total	929	611	92	28	5	7	101	52	33
Business & commerce tech., general		140	87	6	11	1	3	15	10	7
Accounting technologies		206	135	11	4	1	1	20	24	10
Secretarial technologies		322	266	13	6	-	3	24	3	7
Photography technologies		45	18	7	2	-	-	15	2	1
Communications & broadcasting tech.		1	1	-	-	-	-	-	-	-
Applied, graphic & fine arts tec		142	57	42	3	2	-	23	9	6
Other		73	47	13	2	1	-	4	4	2
DATA PROCESSING TECHNOLOGIES	Total	41	26	7	-	2	-	4	-	2
Data processing technologies, general		27	19	-	-	2	-	4	-	2
Data processing equip. maintenance tech.		14	7	7	-	-	-	-	-	-
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	Total	26	22	3	-	-	-	1	-	-
Medical record technologies		2	1	1	-	-	-	-	-	-
Inhalation therapy technologies		24	21	2	-	-	-	1	-	-
MECHANICAL & ENGINEERING TECHNOLOGIES	Total	842	364	369	27	4	-	26	15	37
Aeronautical & aviation technologies		206	-	181	6	-	-	8	5	6
Engineering graphics		26	18	5	-	-	-	1	-	1
Architectural drafting technologies		48	36	5	2	-	-	2	1	2
Automotive technologies		17	16	-	-	-	-	-	-	1
Welding technologies		13	13	-	-	-	-	-	-	-
Electronics & machine tech.		403	187	164	8	4	-	14	5	21
Electromechanical technologies		6	1	5	-	-	-	-	-	-
Industrial technologies		3	2	-	1	-	-	-	-	-
Mechanical technologies		26	18	2	4	-	-	-	2	-
Construction & building tech.		84	66	6	5	-	-	-	2	5
Other		10	7	-	1	-	-	1	-	1
PHYSICAL SCIENCE TECHNOLOGIES										
Other		20	10	-	1	-	-	5	4	-

Table 33.3

Employment Status by Degree Field for Associate Degree Graduates for Four-Year Colleges and Universities, 1978

HEGIS Degree Field		Total	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree	All Others
BUSINESS AND COMMERCE TECHNOLOGIES	Total	466	209	12	24	3	14	54	53	97
Business & commerce technologies, general		191	49	2	18	1	9	29	29	54
Accounting technologies		37	24	1	-	1	-	6	1	4
Marketing, distribution, purchasing business & industrial mgt. tech.		36	11	-	2	-	-	4	5	14
Secretarial technologies		131	101	7	1	-	-	10	7	5
Communications & broadcasting tech.		24	3	-	1	1	2	3	7	7
Hotel & restaurant management tech.		18	5	1	1	-	-	2	2	7
Other		29	16	1	1	-	3	-	2	6
DATA PROCESSING TECHNOLOGIES										
Computer programmer technologies		61	15	16	4	-	-	7	2	17
HEALTH SERVICES AND PARA-MEDICAL TECHNOLOGIES	Total	394	282	28	3	-	2	10	38	31
Medical or biological laboratory assistant technologies		51	47	-	-	-	-	-	3	1
Radiologic technologies		32	12	5	1	-	-	5	1	8
Nursing, R.N.		224	165	11	-	-	1	3	28	16
Medical assistant & medical office assistant tech.		16	10	1	-	-	-	-	1	4
Inhalation therapy tech.		43	29	9	-	-	-	1	3	1
Other		28	19	2	2	-	1	1	2	1
MECHANICAL AND ENGINEERING TECHNOLOGIES	Total	633	125	82	27	4	7	40	84	264
Mechanical & engineering technologies, general		185	35	24	11	1	1	7	29	77
Aeronautical & aviation tech.		3	-	-	-	-	-	-	-	3
Architectural drafting tech.		40	6	-	4	-	-	3	12	15
Chemical technologies		17	7	-	-	-	-	1	1	8
Civil technologies		55	10	9	1	1	-	-	7	27
Electronics & machine tech.		7	2	-	1	2	-	1	1	-
Industrial technologies		61	24	3	2	-	3	10	-	19
Mechanical technologies		3	2	-	1	-	-	-	-	-
Nuclear technologies		14	1	5	-	-	-	4	1	3
Construction & building technologies		2	1	-	1	-	-	-	-	-
Other		246	37	41	6	-	3	14	33	112
NATURAL SCIENCE TECHNOLOGIES	Total	120	32	4	20	1	14	5	14	30
Agriculture technologies		51	21	-	5	1	10	2	6	6
Forestry & wildlife technologies		69	11	4	15	-	4	3	8	24
PUBLIC SERVICE-RELATED TECHNOLOGIES	Total	345	110	13	18	6	31	23	53	91
Public service technologies, general		56	17	-	3	-	1	4	3	28
Bible study or religion-related occupations		8	-	-	2	-	-	-	6	-
Police, law enforcement, corrections technologies		108	24	6	2	1	5	5	20	45
Recreation and social work-related technologies		45	6	-	3	1	5	5	9	16
Public administration & management technologies		2	1	-	-	-	-	-	1	-
Child development technologies		102	49	6	7	4	17	7	11	1
Other		24	13	1	1	-	3	2	3	1
ARTS AND SCIENCE TRANSFERS	Total	429	41	3	23	5	8	20	171	158
Arts & science transfers who enter four-year programs		330	41	3	20	5	8	18	108	127
Arts, Science, general programs not organized as occupational curricula		99	-	-	3	-	-	2	63	31

Table 14.0

1978 Activities of Associate Degree Graduates from Higher Education Planning Regions

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree
REGION 1								
Business and Commerce Technologies	415	288 (69.4)	4 (1.0)	27 (6.5)	10 (2.4)	18 (4.3)	19 (4.6)	49 (11.8)
Data Processing Technologies	81	43 (53.1)	5 (6.2)	8 (9.9)	1 (1.2)	5 (6.2)	10 (12.3)	9 (11.1)
Health Services and Para-Medical Technologies	479	359 (75.0)	23 (4.8)	3 (0.6)	-	28 (5.8)	15 (3.1)	51 (10.7)
Mechanical and Engineering Technologies	80	41 (51.2)	8 (10.0)	8 (10.0)	2 (2.5)	2 (2.5)	5 (6.3)	14 (17.5)
Natural Science Technologies	72	34 (47.2)	2 (2.8)	6 (8.3)	1 (1.4)	9 (12.5)	7 (9.7)	13 (18.1)
Public Service-Related Technologies	377	169 (44.8)	14 (3.7)	52 (13.8)	8 (2.1)	44 (11.7)	21 (5.6)	69 (18.3)
Arts and Science Transfers	767	151 (19.7)	-	116 (15.1)	7 (0.9)	55 (7.2)	27 (3.5)	411 (53.6)
GRAND TOTAL	2,271	1,085 (47.8)	56 (2.4)	220 (9.7)	29 (1.3)	161 (7.1)	104 (4.6)	616 (27.1)
REGION 2								
Business and Commerce Technologies	331	195 (58.9)	13 (3.9)	49 (14.8)	2 (0.6)	2 (0.6)	29 (8.8)	41 (12.4)
Data Processing Technologies	50	38 (76.0)	-	5 (10.0)	-	1 (2.0)	2 (4.0)	4 (8.0)
Health Services and Para-Medical Technologies	357	263 (73.6)	25 (.7)	17 (4.8)	-	17 (4.8)	18 (5.0)	17 (4.8)
Mechanical and Engineering Technologies	278	137 (49.3)	85 (30.6)	26 (9.3)	1 (0.4)	2 (0.7)	8 (2.9)	19 (6.8)
Natural Science Technologies	10	6 (60.0)	-	2 (20.0)	-	-	-	2 (20.0)
Public Service-Related Technologies	101	37 (36.6)	-	27 (26.7)	1 (1.0)	4 (4.0)	4 (4.0)	28 (27.7)
Arts and Science Transfers	357	29 (8.1)	1 (0.3)	116 (32.5)	2 (0.6)	18 (5.0)	12 (3.4)	179 (50.1)
GRAND TOTAL	1,484	705 (47.5)	124 (8.4)	242 (16.3)	6 (0.4)	44 (3.0)	73 (4.9)	290 (19.5)
REGION 3								
Business and Commerce Technologies	103	55 (53.4)	-	25 (24.3)	-	-	-	23 (22.3)
Health Services and Para-Medical Technologies	77	81 (81.8)	2 (2.0)	7 (7.1)	-	-	5 (5.1)	4 (4.0)
Mechanical and Engineering Technologies	143	103 (72.0)	7 (4.9)	11 (7.7)	4 (2.8)	-	2 (1.4)	14 (9.8)
Arts and Science Transfers	68	-	-	3 (4.4)	-	-	2 (2.9)	63 (92.7)
GRAND TOTAL	413	239 (57.9)	9 (2.2)	48 (11.6)	4 (0.9)	-	9 (2.2)	104 (25.2)
REGION 4								
Business and Commerce Technologies	351	191 (54.4)	11 (3.1)	31 (8.8)	2 (0.6)	14 (4.0)	45 (12.8)	57 (16.2)
Data Processing Technologies	79	41 (51.9)	19 (24.0)	6 (7.6)	-	-	7 (8.9)	6 (7.6)
Health Services and Para-Medical Technologies	107	91 (85.0)	5 (4.7)	2 (1.9)	-	1 (0.9)	3 (2.8)	5 (4.7)
Mechanical and Engineering Technologies	483	222 (46.0)	86 (17.8)	32 (6.6)	2 (0.4)	6 (1.2)	42 (8.7)	93 (19.3)
Natural Science Technologies	132	69 (52.2)	11 (8.3)	24 (18.2)	-	5 (3.8)	8 (6.1)	15 (11.4)
Public Service-Related Technologies	60	23 (38.3)	-	7 (11.6)	1 (1.7)	6 (10.0)	10 (16.7)	13 (21.7)
Arts and Science Transfers	137	36 (26.2)	1 (0.7)	14 (10.2)	1 (0.7)	3 (2.2)	16 (11.7)	66 (48.2)
GRAND TOTAL	1,349	673 (49.9)	133 (9.9)	116 (8.6)	6 (0.4)	35 (2.6)	131 (9.7)	255 (18.9)

Table 34.0

1978 Activities of Associate Degree Graduates from Higher Education Planning Regions
(continued)

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree
REGION 5								
Business and Commerce Technologies	49	42 (85.7)	6 (12.2)	-	-	-	-	1 (2.0)
Health Services & Para-Medical Technologies	21	20 (95.2)	-	-	-	-	-	1 (4.8)
GRAND TOTAL	70	62 (88.6)	6 (8.6)	-	-	-	-	2 (2.8)
REGION 6								
Business and Commerce Technologies	140	102 (72.8)	4 (2.8)	12 (8.6)	1 (0.7)	5 (3.6)	5 (3.6)	11 (7.9)
Data Processing Technologies	56	41 (73.2)	7 (12.5)	1 (1.8)	2 (3.6)	1 (1.8)	4 (7.1)	-
Health Services and Para-Medical Technologies	90	76 (84.4)	4 (4.4)	1 (1.1)	3 (3.3)	-	3 (3.3)	3 (3.3)
Mechanical and Engineering Technologies	54	22 (40.7)	10 (18.5)	5 (9.3)	1 (1.9)	2 (3.7)	-	14 (25.9)
Natural Science Technologies	10	10 (100.0)	-	-	-	-	-	-
Public Service-Related Technologies	80	36 (45.0)	1 (1.2)	9 (11.3)	-	2 (2.5)	6 (7.5)	26 (32.5)
Arts and Science Transfers	315	66 (21.0)	5 (1.6)	27 (8.6)	2 (0.6)	6 (1.9)	2 (0.6)	207 (65.7)
GRAND TOTAL	745	353 (47.4)	31 (4.2)	55 (7.4)	9 (1.2)	16 (2.1)	20 (2.7)	261 (35.0)
REGION 8*								
Business and Commerce Technologies	1,074	634 (59.0)	86 (8.0)	70 (6.5)	4 (0.4)	16 (1.5)	121 (11.3)	143 (13.3)
Data Processing Technologies	32	15 (46.9)	-	8 (25.0)	-	2 (6.3)	3 (9.3)	4 (12.5)
Health Services and Para-Medical Technologies	505	357 (70.7)	13 (2.6)	8 (1.6)	-	37 (7.3)	29 (5.7)	61 (12.1)
Mechanical and Engineering Technologies	762	359 (47.1)	270 (35.4)	36 (4.7)	1 (0.1)	2 (0.3)	40 (5.3)	54 (7.1)
Natural Science Technologies	35	11 (31.4)	5 (14.3)	3 (8.6)	-	-	5 (14.3)	11 (31.4)
Public Service-Related Technologies	138	76 (55.1)	4 (2.9)	13 (9.4)	-	-	14 (10.1)	31 (22.5)
Arts and Science Transfers	250	30 (12.0)	20 (8.0)	16 (6.4)	-	9 (3.6)	12 (4.8)	163 (65.2)
GRAND TOTAL	2,796	1,482 (53.0)	398 (14.2)	154 (5.5)	5 (0.2)	66 (2.4)	234 (8.0)	467 (16.7)

*Region 7 not included in report due to insufficient data at time of publication.

Table 35.0

1978 Activities of Baccalaureate Graduates from Higher Education Planning Region 1[a]

Major Discipline	Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Unemployed	Pursuing Advanced Degree
Agriculture and Natural Resources	195	96 (49.2)	78 (40.0)	8 (4.1)	6 (3.1)	-	2 (1.0)	5 (2.6)
Architecture and Environmental Design	5	4 (80.0)	1 (20.0)	-	-	-	-	-
Area Studies	5	1 (20.0)	-	1 (20.0)	-	-	1 (20.0)	2 (40.0)
Biological Sciences	303	41 (13.5)	18 (5.9)	8 (2.6)	6 (2.0)	10 (3.3)	87 (28.7)	133 (43.9)
Business and Management	822	396 (48.2)	85 (10.3)	48 (5.8)	11 (1.3)	20 (2.4)	180 (21.9)	82 (10.0)
Communications	175	47 (26.9)	32 (18.3)	17 (9.7)	7 (4.0)	22 (12.6)	26 (14.8)	24 (13.7)
Computer Sciences	60	37 (61.7)	6 (10.0)	2 (3.3)	-	-	5 (8.3)	10 (16.7)
Education	1,096	476 (43.4)	165 (15.0)	117 (10.7)	14 (1.3)	61 (5.6)	134 (12.2)	129 (11.8)
Engineering	164	75 (45.7)	44 (26.8)	17 (10.4)	1 (0.6)	1 (0.6)	11 (6.7)	15 (9.2)
Fine and Applied Arts	180	31 (17.2)	22 (12.2)	25 (13.8)	6 (3.3)	29 (16.1)	28 (15.6)	39 (21.8)
Foreign Languages	65	8 (12.3)	5 (7.7)	8 (12.3)	4 (6.2)	3 (4.6)	18 (27.7)	19 (29.2)
Health Professions	678	457 (67.4)	94 (13.9)	28 (4.1)	5 (0.7)	14 (2.1)	30 (4.4)	50 (7.4)
Home Economics	6	2 (33.3)	2 (33.3)	-	-	-	2 (33.3)	-
Law	4	1 (25.0)	-	-	-	-	1 (25.0)	2 (50.0)
Letters	292	38 (13.0)	38 (13.0)	39 (13.4)	37 (12.7)	14 (4.8)	43 (14.7)	83 (28.4)
Mathematics	37	13 (35.1)	6 (16.2)	-	1 (2.7)	-	3 (8.1)	14 (37.8)
Physical Sciences	157	33 (21.0)	22 (14.0)	2 (1.3)	1 (0.6)	4 (2.6)	17 (10.8)	78 (49.7)
Psychology	229	52 (22.7)	23 (10.0)	16 (7.0)	10 (4.4)	9 (3.9)	62 (27.1)	57 (24.9)
Public Affairs and Services	173	76 (43.9)	22 (12.7)	13 (7.5)	3 (1.7)	13 (7.5)	20 (11.6)	26 (15.0)
Social Sciences	549	75 (13.7)	64 (11.6)	58 (10.6)	37 (6.7)	30 (5.5)	124 (22.6)	161 (29.3)
Theology	10	3 (30.0	-	-	1 (10.0)	-	1 (10.0)	5 (50.0)
Interdisciplinary Studies	135	47 (34.8)	23 (17.0)	3 (2.2)	5 (3.7)	8 (5.9)	23 (17.0)	26 (19.3)
GRAND TOTAL	5,340	2,009 (37.6)	750 (14.0)	410 (7.7)	155 (2.9)	238 (4.5)	818 (15.3)	960 (17.9)

[a]Region 7 not included in report due to insufficient data at time of publication.

Table 35.1

1978 Activities of Baccalaureate Graduates from Higher Education Planning Region 2

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part Time	Un-employed	Pursuing Advanced Degree
Area Studies	7	-	1 (14.3)	1 (14.3)	2 (28.6)	1 (14.3)	-	2 (28.5)
Biological Sciences	308	22 (7.1)	27 (8.7)	31 (10.1)	10 (3.3)	2 (0.7)	36 (11.7)	180 (58.4)
Business and Management	451	164 (36.3)	132 (29.3)	36 (8.0)	13 (2.9)	7 (1.5)	59 (13.1)	40 (8.9)
Communications	29	10 (34.5)	4 (13.8)	6 (20.7)	4 (13.8)	-	5 (17.2)	-
Computer and Information Sciences	15	7 (46.7)	6 (40.0)	1 (6.6)	1 (6.6)	-	-	-
Education	627	219 (34.9)	97 (15.5)	110 (17.5)	13 (2.1)	108 (17.2)	63 (10.1)	17 (2.7)
Engineering	501	122 (24.3)	264 (52.7)	-	17 (3.4)	-	41 (8.2)	57 (11.4)
Fine and Applied Arts	120	36 (30.0)	14 (11.7)	21 (17.5)	10 (8.3)	10 (8.3)	19 (15.8)	10 (8.3)
Foreign Languages	45	6 (13.3)	7 (15.6)	15 (33.3)	4 (8.9)	-	4 (8.9)	9 (20.0)
Health Profes[illegible]s	126	86 (68.2)	26 (20.6)	-	-	5 (4.0)	1 (0.8)	8 (6.4)
Home Economics	6	-	4 (66.6)	-	1 (16.7)	-	-	1 (16.7)
Law	1	-	-	-	-	-	-	1 (100.0)
Letters	84	13 (15.5)	8 (9.5)	11 (13.1)	9 (10.7)	4 (4.8)	14 (16.7)	25 (29.7)
Library Science	20	8 (40.0)	2 (10.0)	3 (15.0)	-	3 (15.0)	4 (20.0)	-
Mathematics	36	11 (30.6)	11 (30.6)	6 (16.6)	-	1 (2.8)	4 (11.1)	3 (8.3)
Physical Sciences	102	15 (14.7)	21 (20.6)	6 (5.9)	1 (1.0)	-	4 (3.9)	55 (53.9)
Psychology	155	37 (23.9)	13 (8.4)	21 (13.6)	28 (18.1)	6 (3.9)	13 (8.4)	37 (23.7)
Public Affairs and Services	39	14 (35.9)	4 (10.2)	7 (17.9)	4 (10.3)	2 (5.1)	4 (10.3)	4 (10.3)
Social Sciences	442	71 (16.1)	62 (14.0)	45 (10.2)	31 (7.0)	17 (3.8)	65 (14.7)	151 (34.2)
Theology	29	5 (17.2)	6 (20.7)	5 (17.2)	3 (10.3)	1 (3.5)	1 (3.5)	8 (27.6)
Interdisciplinary Studies	4	2 (50.0)	1 (25.0)	-	1 (25.0)	-	-	-
GRAND TOTAL	3,147	848 (26.9)	710 (22.6)	325 (10.3)	152 (4.8)	167 (5.3)	337 (10.7)	608 (19.3)

Table 35.2

1978 Activities of Baccalaureate Graduates from Higher Education Planning Region 3

Major Discipline	Total Reported	Employed in Field Prepared In Pa.	Employed in Field Prepared Outside Pa.	Employed in Other Field In Pa.	Employed in Other Field Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree
Biological Sciences	115	5 (4.3)	7 (6.1)	8 (7.0)	-	3 (2.6)	4 (3.5)	88 (76.5)
Business and Management	280	121 (43.2)	83 (29.6)	7 (2.5)	2 (0.7)	12 (4.3)	31 (11.1)	24 (8.6)
Communications	37	12 (32.4)	5 (13.5)	2 (5.4)	3 (8.1)	2 (5.4)	9 (24.3)	4 (10.8)
Computer and Information Sciences	14	4 (28.6)	8 (57.1)	-	-	-	1 (7.1)	1 (7.1)
Education	318	82 (25.8)	71 (22.3)	43 (13.5)	18 (5.7)	28 (8.8)	48 (15.1)	28 (8.8)
Engineering	16	2 (12.5)	10 (62.5)	-	-	-	-	4 (25.0)
Fine and Applied Arts	26	6 (23.1)	2 (7.7)	5 (19.2)	1 (3.8)	1 (3.8)	4 (15.4)	7 (26.9)
Foreign Languages	4	1 (25.0)	-	-	1 (25.0)	-	2 (50.0)	-
Health Professions	90	66 (73.3)	22 (24.4)	-	-	-	1 (1.1)	1 (1.1)
Home Economics	44	[illegible]	17 (38.6)	1 (2.3)	2 (4.5)	1 (2.3)	4 (9.1)	4 (9.1)
Law	3	-	-	-	-	-	-	3 (100.0)
Letters	38	5 (13.2)	3 (7.9)	4 (10.5)	-	3 (7.9)	5 (13.1)	18 (47.4)
Library Science	9	2 (22.2)	1 (11.1)	2 (22.2)	-	1 (11.1)	-	3 (33.3)
Mathematics	15	8 (53.3)	2 (13.3)	-	-	-	2 (13.3)	3 (20.0)
Physical Sciences	14	4 (28.6)	2 (14.3)	-	1 (7.1)	-	-	7 (50.0)
Psychology	58	14 (24.1)	2 (3.4)	4 (6.9)	2 (3.5)	2 (3.5)	12 (20.7)	22 (37.9)
Public Affairs and Services	66	15 (22.7)	2 (3.0)	3 (4.5)	1 (1.5)	9 (13.6)	12 (18.2)	24 (36.4)
Social Sciences	153	48 (31.4)	9 (5.9)	12 (7.8)	4 (2.6)	9 (5.9)	24 (15.7)	47 (30.7)
Theology	65	2 (3.1)	18 (27.7)	13 (20.0)	10 (15.4)	-	5 (7.7)	17 (26.1)
Interdisciplinary Studies	3	2 (66.7)	-	-	-	-	1 (33.3)	-
GRAND TOTAL	1,368	414 (30.2)	264 (19.3)	104 (7.6)	45 (3.3)	71 (5.2)	165 (12.1)	305 (22.3)

Table 35.3

1978 Activities of Baccalaureate Graduates from Higher Education Planning Region 4

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	372	97 (26.1)	62 (16.7)	53 (14.2)	13 (3.5)	22 (5.9)	67 (18.0)	58 (15.6)
Architecture and Environmental Design	50	10 (20.0)	11 (22.0)	7 (14.0)	1 (2.0)	2 (4.0)	7 (14.0)	12 (24.0)
Area Studies	9	1 (11.1)	1 (11.1)	1 (11.1)	2 (22.2)	1 (11.1)	2 (22.2)	1 (11.1)
Biological Sciences	418	45 (10.8)	31 (7.4)	47 (11.2)	23 (5.5)	16 (3.8)	65 (15.6)	191 (45.7)
Business and Management	1,367	577 (42.2)	278 (20.3)	135 (9.9)	36 (2.6)	40 (2.9)	216 (15.8)	85 (6.2)
Communications	110	44 (40.0)	10 (9.1)	14 (12.7)	5 (4.5)	7 (6.4)	25 (22.7)	5 (4.6)
Computer and Information Sciences	89	42 (47.2)	31 (34.8)	-	2 (2.3)	-	8 (9.0)	6 (6.7)
Education	1,465	509 (34.7)	185 (12.6)	139 (9.5)	49 (3.3)	148 (10.1)	296 (20.2)	139 (9.5)
Engineering	753	234 (31.1)	402 (53.4)	15 (2.0)	18 (2.4)	3 (0.4)	41 (5.4)	40 (5.3)
Fine and Applied Arts	135	13 (9.6)	11 (8.2)	18 (13.3)	12 (8.9)	14 (10.4)	42 (31.1)	25 (18.5)
Foreign Languages	46	4 (8.7)	6 (13.0)	8 (17.4)	5 (10.9)	3 (6.5)	8 (17.4)	12 (26.1)
Health Professions	121	67 (55.4)	13 (10.7)	6 (4.9)	3 (2.5)	6 (4.9)	21 (17.4)	5 (4.1)
Home Economics	222	78 (35.1)	36 (16.2)	24 (10.8)	2 (0.9)	14 (6.3)	42 (18.9)	26 (11.7)
Law	14	-	-	7 (50.0)	5 (35.7)	2 (14.3)	-	-
Letters	210	35 (16.7)	23 (10.9)	36 (17.1)	13 (6.2)	15 (7.1)	45 (21.4)	43 (20.5)
Mathematics	75	13 (17.3)	30 (40.0)	6 (8.0)	3 (4.0)	-	8 (10.7)	15 (20.0)
Physical Sciences	289	27 (9.3)	63 (21.8)	14 (4.8)	14 (4.8)	11 (3.8)	35 (12.1)	125 (43.3)
Psychology	204	45 (22.0)	10 (4.9)	32 (15.7)	21 (10.3)	9 (4.4)	34 (16.7)	53 (26.0)
Public Affairs and Services	439	147 (33.5)	34 (7.7)	60 (13.7)	14 (3.2)	38 (8.7)	112 (25.5)	34 (7.7)
Social Sciences	541	71 (13.1)	49 (9.1)	102 (18.8)	57 (10.5)	22 (4.1)	88 (16.3)	152 (28.1)
Theology	5	2 (40.0)	-	-	1 (20.0)	-	-	2 (40.0)
Interdisciplinary Studies	126	25 (19.8)	10 (7.9)	21 (16.7)	6 (4.8)	5 (4.0)	26 (20.6)	33 (26.2)
GRAND TOTAL	7,060	2,086 (29.5)	1,296 (18.4)	745 (10.6)	305 (4.3)	378 (5.4)	1,188 (16.8)	1,062 (15.0)

Table 35.4

1978 Activities of Baccalaureate Graduates from Higher Education Planning Region 5

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree
Biological Sciences	143	26 (18.2)	11 (7.7)	16 (11.2)	10 (7.0)	5 (3.5)	19 (13.3)	56 (39.1)
Business and Management	527	224 (42.5)	102 (19.3)	25 (4.7)	24 (4.5)	21 (4.0)	90 (17.1)	41 (7.9)
Communications	29	9 (31.0)	2 (6.9)	7 (24.1)	5 (17.2)	1 (3.5)	2 (6.9)	3 (10.3)
Education	713	244 (34.2)	149 (20.9)	78 (10.9)	35 (4.9)	81 (11.4)	72 (10.1)	54 (7.6)
Engineering	81	34 (42.0)	36 (44.4)	1 (1.2)	4 (4.9)	-	-	6 (7.4)
Fine and Applied Arts	66	13 (19.7)	5 (7.6)	9 (13.6)	9 (13.6)	10 (15.2)	15 (22.7)	5 (7.6)
Foreign Languages	23	3 (13.0)	5 (21.7)	7 (30.4)	3 (13.0)	1 (4.4)	3 (13.0)	1 (4.4)
Health Professions	112	84 (75.0)	20 (17.9)	1 (0.9)	-	3 (2.6)	2 (1.8)	2 (1.8)
Home Economics	6	2 (33.3)	2 (33.3)	-	-	1 (16.7)	1 (16.7)	-
Letters	77	10 (13.0)	9 (11.7)	13 (16.9)	4 (5.2)	7 (9.1)	16 (20.8)	18 (23.3)
Library Science	30	12 (40.0)	13 (43.3)	-	-	-	5 (16.7)	-
Mathematics	47	11 (23.4)	15 (31.9)	3 (6.3)	3 (6.3)	2 (4.3)	2 (4.3)	11 (23.4)
Physical Sciences	69	20 (29.0)	16 (23.2)	5 (7.3)	4 (5.8)	2 (2.9)	2 (2.9)	20 (28.9)
Psychology	123	34 (27.6)	11 (8.9)	20 (16.3)	8 (6.5)	9 (7.3)	13 (10.6)	28 (22.7)
Public Affairs and Services	76	25 (32.9)	9 (11.8)	16 (21.1)	3 (4.0)	7 (9.2)	7 (9.2)	9 (11.8)
Social Sciences	189	35 (18.5)	14 (7.4)	37 (19.6)	20 (10.6)	12 (6.4)	25 (13.2)	46 (24.3)
Theology	1	-	-	-	-	-	-	1 (100.0)
Interdisciplinary Studies	20	1 (5.0)	2 (10.0)	7 (35.0)	1 (5.0)	2 (10.0)	3 (15.0)	4 (20.0)
GRAND TOTAL	2,332	787 (33.7)	421 (18.1)	245 (10.5)	133 (5.7)	164 (7.0)	277 (11.9)	305 (13.1)

Table 35.5

1978 Activities of Baccalaureate Graduates from Higher Education Planning Region 6

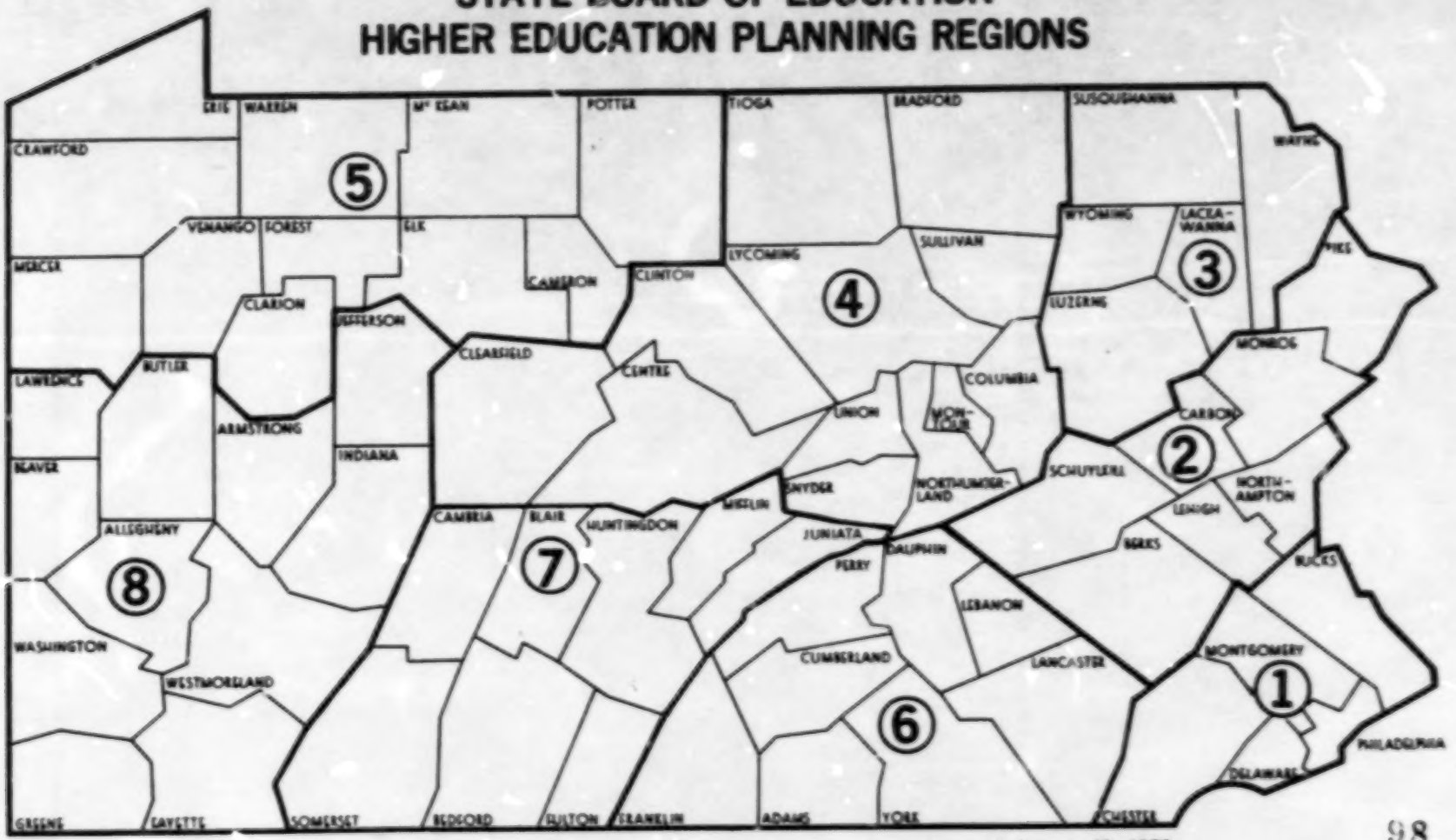
Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	9	-	-	-	-	1 (11.1)	8 (88.9)	-
Area Studies	25	1 (4.0)	2 (8.0)	3 (12.0)	7 (28.0)	-	1 (4.0)	11 (44.0)
Biological Sciences	206	37 (18.0)	24 (11.7)	29 (14.1)	13 (6.3)	-	11 (5.3)	92 (44.6)
Business and Management	464	293 (63.1)	81 (17.5)	28 (6.0)	5 (1.1)	6 (1.3)	28 (6.0)	23 (5.0)
Communications	52	24 (46.1)	6 (11.5)	7 (13.5)	1 (1.9)	3 (5.8)	7 (13.5)	4 (7.7)
Computer and Information Sciences	17	11 (64.7)	4 (23.5)	1 (5.9)	-	-	-	1 (5.9)
Education	855	429 (50.2)	134 (15.7)	158 (18.5)	9 (1.0)	20 (2.3)	76 (8.9)	29 (3.4)
Engineering	1	1 (100.0)	-	-	-	-	-	-
Fine and Applied Arts	86	11 (12.8)	5 (5.8)	24 (27.9)	20 (23.3)	-	5 (5.8)	21 (24.4)
Foreign Languages	94	10 (10.6)	7 (7.5)	21 (22.3)	28 (29.8)	-	6 (6.4)	22 (23.4)
Health Professions	100	67 (67.0)	26 (26.0)	2 (2.0)	-	-	-	5 (5.0)
Home Economics	22	10 (45.5)	3 (13.6)	3 (13.6)	-	1 (4.6)	3 (13.6)	2 (9.1)
Letters	109	14 (12.8)	9 (8.3)	29 (26.6)	14 (12.8)	2 (1.8)	6 (5.5)	35 (32.1)
Library Science	27	13 (48.2)	6 (22.2)	2 (7.4)	-	-	2 (7.4)	4 (14.8)
Mathematics	66	23 (34.9)	14 (21.2)	5 (7.6)	8 (12.1)	1 (1.5)	1 (1.5)	14 (21.2)
Physical Sciences	189	21 (11.1)	24 (12.7)	21 (11.1)	14 (7.4)	1 (0.5)	6 (3.2)	102 (54.0)
Psychology	197	50 (25.4)	17 (8.6)	44 (22.3)	23 (11.7)	5 (2.5)	18 (9.1)	40 (20.3)
Public Affairs and Services	124	65 (52.4)	17 (13.7)	16 (12.9)	1 (0.8)	5 (4.0)	17 (13.7)	3 (2.4)
Social Sciences	543	67 (12.3)	30 (5.5)	120 (22.1)	81 (14.9)	2 (0.4)	33 (6.1)	210 (38.7)
Theology	23	5 (21.7)	2 (8.7)	6 (26.1)	2 (8.7)	-	-	8 (34.8)
Interdisciplinary Studies	45	5 (11.1)	3 (6.7)	7 (15.5)	12 (26.7)	3 (6.7)	4 (8.9)	11 (24.4)
GRAND TOTAL	3,254	1,157 (35.6	414 (12.7)	526 (16.2)	238 (7.3)	50 (1.5)	23[illegible] (7.1)	637 (19.6)

Table 35.6

1978 Activities of Baccalaureate Graduates from Higher Education Planning Region 8

Major Discipline	Total Reported	Employed in Field Prepared: In Pa.	Employed in Field Prepared: Outside Pa.	Employed in Other Field: In Pa.	Employed in Other Field: Outside Pa.	Employed Part-Time	Un-employed	Pursuing Advanced Degree
Agriculture and Natural Resources	27	3 (11.1)	3 (11.1)	7 (25.9)	2 (7.4)	-	11 (40.7)	1 (3.7)
Architecture and Environmental Design	26	12 (46.1)	8 (30.8)	-	-	-	2 (7.7)	4 (15.4)
Area Studies	1	1 (100.0)	-	-	-	-	-	-
Biological Studies	259	42 (16.2)	13 (5.0)	27 (10.4)	10 (3.5)	7 (2.7)	24 (9.3)	136 (52.5)
Business and Management	746	469 (62.9)	93 (12.5)	36 (4.8)	5 (0.7)	7 (0.9)	87 (11.7)	49 (6.5)
Communications	135	59 (43.7)	19 (14.1)	24 (17.8)	3 (2.2)	5 (3.7)	17 (12.6)	8 (5.9)
Computer and Information Sciences	97	55 (56.7)	27 (27.8)	5 (5.2)	2 (2.1)	1 (1.0)	4 (4.1)	3 (3.1)
Education	1,513	610 (40.3)	201 (13.3)	254 (16.8)	48 (3.2)	106 (7.0)	183 (12.1)	111 (7.3)
Engineering	373	166 (44.5)	167 (44.8)	5 (1.3)	2 (0.5)	-	-	33 (8.9)
Fine and Applied Arts	198	63 (31.8)	26 (13.1)	19 (9.6)	6 (3.0)	8 (4.0)	31 (15.7)	45 (22.7)
Foreign Languages	52	16 (30.8)	3 (5.8)	9 (17.3)	4 (7.7)	1 (1.9)	5 (9.6)	14 (26.9)
Health Professions	362	292 (80.6)	46 (12.7)	5 (1.4)	1 (0.3)	-	5 (1.4)	13 (3.6)
Home Economics	163	99 (60.7)	16 (9.8)	1 (0.6)	1 (0.6)	1 (0.6)	16 (9.8)	29 (17.8)
Letters	194	47 (24.2)	21 (10.8)	36 (18.5)	11 (5.7)	6 (3.1)	23 (11.9)	50 (25.8)
Library Science	12	7 (58.3)	-	1 (8.3)	1 (8.3)	1 (8.3)	1 (8.3)	1 (8.3)
Mathematics	118	50 (42.4)	36 (30.5)	10 (8.4)	1 (0.8)	1 (0.8)	5 (4.2)	15 (12.7)
Physical Sciences	178	46 (25.8)	23 (12.9)	5 (2.8)	5 (2.8)	3 (1.7)	8 (4.5)	88 (49.4)
Psychology	241	64 (26.6)	14 (5.8)	54 (22.4)	17 (7.1)	2 (0.8)	27 (11.2)	63 (26.1)
Public Affairs and Services	271	109 (40.2)	29 (10.7)	58 (21.4)	10 (3.7)	8 (3.0)	41 (15.1)	16 (5.9)
Social Sciences	714	208 (29.1)	74 (10.4)	112 (15.7)	41 (5.7)	13 (1.8)	94 (13.2)	172 (24.1)
Theology	31	6 (19.3)	2 (6.4)	4 (12.9)	3 (9.7)	3 (9.7)	3 (9.7)	10 (32.3)
Interdisciplinary Studies	61	19 (31.1)	7 (11.5)	10 (16.4)	5 (8.2)	3 (4.9)	12 (19.7)	5 (8.2)
GRAND TOTAL	5,772	2,443 (42.3)	828 (14.3)	682 (11.8)	178 (3.1)	176 (3.0)	599 (10.4)	866 (15.0)

STATE BOARD OF EDUCATION
HIGHER EDUCATION PLANNING REGIONS



Approved January 12, 1979